
Appendix B

Stipulations Applicable to Fluid Mineral Leasing and
Other Surface-disturbing Activities

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APPENDIX B

STIPULATIONS APPLICABLE TO FLUID MINERAL LEASING AND OTHER SURFACE-DISTURBING ACTIVITIES

This appendix lists by alternative the stipulations for fluid mineral leasing (e.g., oil, gas, and geothermal) referred to throughout this Proposed RMP/Final EIS. These stipulations would also apply, where appropriate, to all surface-disturbing activities (and occupancy) associated with land use authorizations, permits, and leases issued on BLM lands. The stipulations would not apply to activities and uses where they are contrary to laws, regulations, or specific program guidance. The intent of these stipulations is to consistently mitigate impacts by applying the same stipulation to all land use authorizations across the board. It is BLM's intent to incorporate the same level of restrictions, to the extent practicable, on agency proposed projects.

Stipulations also apply to fluid mineral leasing on lands overlying federal mineral estate, which includes federal mineral estate underlying BLM lands, privately owned lands, and state-owned lands. As such, federal mineral estate acres are greater than BLM surface acres. Within the planning area, the BLM administers 1,061,400 acres of surface estate and 169,800 acres of split-estate (i.e., where the surface rights are in private ownership and the rights to development of the mineral resources are publicly held and managed by the federal government [BLM]). The BLM will coordinate with the surface owner when applying stipulations on split-estate at the leasing phase. Other land management agencies may have their own surface management decisions for oil and gas development; the BLM would apply these decisions with consent and may add additional stipulations in cooperation with the surface-management agency. Acreages in this appendix reflect federal mineral estate overlain by BLM, private, and state-owned land. Acreages for stipulations are calculated based on current information and may be adjusted in the future through plan maintenance as conditions warrant.

Data from GIS have been used in developing acreage calculations and for generating many of the figures in Appendix A. Calculations are dependent upon the quality and availability of data and most calculations in this RMP are rounded to the nearest one hundred acres. Given the scale of the analysis, the compatibility constraints between datasets, and lack of data for some resources, all calculations are approximate and serve for comparison and analytic purposes only. Likewise, the figures in Appendix A are provided for illustrative purposes and subject to the limitations discussed above. BLM may receive additional GIS data; therefore, acreages may be recalculated and revised at a later date.

Surface-disturbing activities are those that normally result in more than negligible (i.e., immeasurable, not readily noticeable) disturbance to vegetation and soils on public lands and accelerate the natural erosive process.

Surface disturbances could require reclamation and normally involve use and/or occupancy of the surface, causing disturbance to soils and vegetation. They include, but are not limited to: the use of mechanized earth-moving equipment; truck-mounted drilling and geophysical exploration equipment off designated routes; off-road vehicle travel in areas designated as limited or closed to off road vehicle use; construction of facilities such as oil and gas wells and/or pads; major recreation sites; new trail construction; and use of pyrotechnics and explosives. Surface disturbance is not normally caused by casual-use activities. Activities that are not normally considered surface disturbing include, but are not limited to: livestock grazing, cross country hiking, minimum impact filming, vehicular travel on designated routes, and minimum impact emergency response activities such as construction of fire line using hand tools as a tactic for suppression and management of unplanned fire. Even where stipulations prohibit surface disturbing activities, some surface disturbing activities may be allowed under exceptions from stipulations through the process described under **Section B.2.1.** (Example 1: A livestock fence proposed in an area covered by NSO-35 for Wildlife Emphasis Areas may be excepted from the stipulation if it can be shown that the project would have negligible impacts to wildlife through appropriate mitigation; or example 2: A natural gas well pad proposed in an area covered by CSU-8 for Old Growth Forests and Woodlands may be excepted from the stipulation if it can be shown that the project would have negligible impacts on old growth forests and woodlands through appropriate mitigation.)

The BLM has the discretion to modify surface operations to change or add specific mitigation measures when supported by environmental analysis. All mitigation/conservation measures not already required as stipulations would be analyzed in a site-specific NEPA document, and be incorporated, as appropriate, into conditions of approval of the permit, plan of development, and/or other use authorizations.

B.1 DESCRIPTION OF STIPULATIONS

Tables B-1 through **B-4** summarize the stipulations, and **Tables B-5** through **B-8** provide details of the stipulations and protected resources including exceptions, modifications, and waivers by alternative. Three types of stipulations could be applied to fluid mineral leasing or to land use authorizations, except for those authorized under the realty program: 1) NSO or other no surface-disturbing activities; 2) CSU; and 3) TL. ROW authorizations are governed by avoidance and exclusion area restrictions. ROW avoidance areas may have corresponding stipulations, as specifically noted in **Tables B-1** through **B-3** and **Tables B-5** through **B-7**. In these cases, denoted as NSO-X (ROWA), CSU-X (ROWA), or TL-X (ROWA), the surface area covered by the stipulation is considered a ROW avoidance area. Where stipulations are noted as *Partial ROWA*, only a portion of the area covered by the stipulation is a ROW avoidance area. See the glossary for descriptions of ROW avoidance and ROW exclusion.

Lease stipulations and lease notices would be applied to all new leases. On existing leases, the BLM would seek voluntary compliance or would develop Conditions of Approval for Applications for Permit to Drill to achieve resource objectives of the RMP (see BLM's Land Use Planning Handbook H-1601-1 at Appendix C, part H), when determined reasonable and consistent with valid existing rights.¹

Stipulations identified in Alternative A, current management, were developed in the 1987 GJFO RMP (BLM 1987) and are annotated as “existing” in italics in the “stipulations number” column of **Tables B-1** through **B-4** and **B-5** through **B-8**.

B.1.1 No Surface Occupancy (NSO) or Other Surface-disturbing Activities

Use or occupancy of the land surface for fluid mineral exploration or development and other surface-disturbing activities (as defined above) is prohibited to protect identified resource values. In Alternative A, NSO stipulations apply only to fluid mineral exploration or development. Refer to **Tables B-1** and **B-5**. Acreages are provided in these tables for mapped stipulations.

The NSO/No Surface-disturbing Activities stipulation, a major constraint, includes stipulations that may have been worded as “No Surface Use/Occupancy,” “No Surface Disturbance,” “Conditional NSO,” “ground-disturbing activity,” and “Surface Disturbance or Surface Occupancy Restriction (by location).”

¹ See also 43 CFR 1610.5-3(b): “...the Field Manager shall take appropriate measures, subject to valid existing rights, to make operations and activities under existing permits, contracts, cooperative agreements or other instruments for occupancy and use, conform to the approved plan or amendment within a reasonable period of time.”

Areas identified as NSO/No Surface-disturbing Activities are open to fluid mineral leasing, but surface-disturbing activities cannot be conducted on the surface of the land unless an exception, waiver, or modification is granted (Section B.2). Access to fluid mineral deposits would require directional drilling from outside the boundaries of the NSO/No Surface-disturbing Activities areas.

An NSO/No Surface-disturbing Activities stipulation cannot be applied to operations conducted under the 1872 Mining Law unless the lands have been withdrawn from mineral entry and the operator has no valid and existing mining claims. A withdrawal is not considered a land use planning decision because it must be approved by the Secretary of Interior. Therefore, unless withdrawn from mineral entry with no pre-existing mining claims, areas identified as NSO/No Surface-disturbing Activities are open to operations conducted under the mining laws, and subject only to TL and CSU stipulations that are consistent with the rights granted under the mining laws. Where only an NSO stipulation exists, and no equivalent CSU or TL stipulations applies to operations conducted under the mining laws, the NSO stipulation would be applied as a CSU stipulation (i.e., the surface-disturbing activity could be shifted more than 200 meters [656 feet] to protect the specified resource or value if consistent with the rights granted under the mining laws).

An NSO/No Surface-disturbing Activities stipulation does not apply to existing facilities and the maintenance of existing facilities, such as, but not limited to, range improvements, oil and gas wells and/or pads, and major recreation sites.

B.1.2 Controlled Surface Use (CSU)

CSU is a category of moderate constraint stipulations that allows some use and occupancy of public land while protecting identified resources or values. A CSU stipulation allows the BLM to require special operational constraints, or the surface-disturbing activity can be shifted more than 200 meters (656 feet) to protect the specified resource or value. Refer to **Tables B-2** and **B-6**. Acreages are provided in these tables for mapped stipulations.

B.1.3 Timing Limitations (TL)

Areas identified for TL, a moderate constraint, are closed to fluid mineral exploration and development, surface-disturbing activities, and intensive human activity during identified time frames. This stipulation does not apply to operation and basic maintenance activities, including associated vehicle travel, unless otherwise specified. Construction, drilling, completions, and other operations considered to be intensive in nature are not allowed. Intensive maintenance and routine or scheduled workovers on wells is not permitted. Administrative activities are allowed at the discretion of the Authorized Officer. Refer to **Tables B-3** and **B-7**. Acreages are provided in these tables for mapped stipulations.

B.1.4 Lease Notice (LN)

A LN provides more-detailed information concerning limitations that already exist in law, lease terms, regulations, or operational orders. An LN also addresses special items that lessees should consider when planning operations but does not impose additional restrictions. Lease Notices apply only to leasable minerals (e.g., oil, gas, and geothermal) and not to other types of leases, such as livestock grazing. Refer to **Tables B-4** and **B-8**.

B.1.5 Condition of Approval (COA)

Conditions of Approval are enforceable conditions or provisions (requirements) under which an Application for Permit to Drill is approved.

B.1.6 Mitigation and Monitoring

Stipulations are designed to provide resource-specific protections. Permit holders shall be responsible for the monitoring and reporting deemed necessary to document and maintain mandated protective measures. Also, the BLM retains the right to modify the operations of all surface and other disturbance activities caused by the presence of humans and to require additional specific or specialized mitigation following the submission of a detailed plan of development or other project proposal, a monitoring report, and an environmental analysis of such.

B.2 EXCEPTIONS, MODIFICATIONS, AND WAIVERS

Stipulations could be excepted, modified, or waived by the Authorized Officer. An exception exempts the holder of the land use authorization document from the stipulation on a one-time basis. A modification changes the language or provisions of a surface stipulation, either temporarily or permanently. A waiver permanently exempts the surface stipulation. Any changes to stipulations will be made in accordance with the land use plan and/or the regulatory provisions for such changes. (For guidance on the use of stipulations, see BLM Manuals 1624 and 3101.)

B.2.1 Exception, Modification, or Waiver Process

An exception, modification, or waiver may be granted at the discretion of the Authorized Officer if any of the standard exception, modification, or waiver criteria (**Section B.2.2, B.2.3, B.2.4**) are met; or if any of the exception, modification, or waiver criteria specific to the stipulation (**Tables B-5, B-6, B-7**) are met. In order to implement an action that would not normally be allowed because of a stipulation, the proponent must submit a request in writing for an exception, modification, or waiver. The request shall detail which exception, modification, or waiver criteria are met. When requested concurrently with an application, the exception, modification, or waiver is considered as part of the project proposal in RMP and NEPA compliance review. For separate requests, the request is considered as a unique action and is analyzed and documented individually for RMP and NEPA compliance. The Authorized Officer will make the final determination whether to grant an exception, modification, or waiver

to stipulations. When use of heavy equipment is necessary for emergency response activities such as wildland fire suppression, management of unplanned fire, and emergency stabilization, the standard exception would be approved verbally by the BLM authorized officer as delegated (e.g., Incident Commander in coordination with Resource Advisor).

B.2.2 Standard Exception

The standard exception applies to all NSO/No Surface-disturbing Activities, CSUs, and TLs, even though the standard exception is not included in the “exception” portion of **Tables B-5** through **B-7**. In situations where a surface-disturbing activity is excepted, the activity could be subject to additional conditions of approval, reclamation measures, or BMPs. Measures required would be based on the nature and extent of resource values potentially affected by the surface-disturbing activity.

Fluid Minerals

An exception is a one-time exemption for a particular site within the leasehold. Exceptions are determined on a case-by-case basis. The stipulation continues to apply to all other sites within the leasehold. The Authorized Officer may grant an exception to a stipulation if it is determined that the factors leading to its inclusion in the lease have changed sufficiently such that:

1. the protection provided by the stipulation is no longer justified or necessary to meet resource objectives established in the RMP; or
2. proposed operations would not cause unacceptable impacts.

The Authorized Officer may require additional plans of development, surveys, mitigation proposals, or environmental analysis, and may be required to consult with other government agencies and/or the public in order to make this determination.

All Programs Except Fluid Minerals

An exception may be granted by the Authorized Officer if it can be demonstrated that the surface-disturbing activity:

1. would not cause adverse impacts or would have negligible impacts to the resource or resource use that the stipulation was designated to protect; or
2. would improve the protected resource or resource use as defined by RMP objectives, standards, or conditions in the stipulation (e.g., fuels treatment that improves forbs in key wildlife habitat, or trail construction for resource protection in an ACEC or elsewhere);
3. is necessary to meet health and safety objectives such as fire suppression or fire emergency stabilization and rehabilitation; or
4. is necessary to protect federal mineral estate.

B.2.3 Standard Modification

A modification is a change to the provisions of a lease stipulation, either temporarily or for the term of the lease. Depending on the specific modification, the stipulation may or may not apply to all sites within the leasehold to which the restrictive criteria are applied.

In accordance with the provisions of 43 CFR 3101.1-4, the Authorized Officer may modify a stipulation or the area subject to the stipulation if it is determined that the factors leading to its inclusion in the lease have changed sufficiently. The Authorized Officer may modify a stipulation as a result of new information if:

1. the protection provided by the stipulation is no longer justified or necessary to meet resource objectives established in the RMP;
2. the protection provided by the stipulation is no longer sufficient to meet resource objectives established in the RMP; or
3. proposed operations would not cause unacceptable impacts.

The Authorized Officer may require additional plans of development, surveys, mitigation proposals, or environmental analysis, and may be required to consult with other government agencies and/or the public in order to make this determination, and the modification may be subject to public review for at least a 30-day period.

B.2.4 Standard Waiver

A waiver is a permanent exemption from a lease stipulation. When a waiver is granted, the stipulation no longer applies anywhere within the leasehold.

In accordance with the provisions of 43 CFR 3101.1-4, the Authorized Officer may waive a stipulation if it is determined that the factors leading to its inclusion in the lease no longer exist. The Authorized Officer may require additional plans of development, surveys, mitigation proposals, or environmental analysis, and may be required to consult with other government agencies and/or the public in order to make this determination. The waiver may be subject to public review for at least a 30-day period.

No permanent exemptions or waivers are authorized unless the areas mapped as possessing the attributes are field verified by BLM staff to lack those attributes.

B.3 STANDARD TERMS AND CONDITIONS FOR FLUID MINERAL LEASING

Oil and gas development is subject to standard terms and conditions of the lease. Onshore Oil and Gas Order No. 1 (Onshore Oil and Gas Operations; Federal and Indian Oil and Gas Leases; Approval of Operations) regulations (43 CFR 3160) give the BLM the ability to relocate proposed operations up to 200 meters (656 feet) and prohibit surface-disturbing operations for a period not to exceed 60 days.

Table B-1
Summary of No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative				Fluid Minerals Only	All Surface- disturbing Activities
		A	B	C	D		
Water Resources							
NSO-1 (ROWA)	Major River Corridors			•	•		✓
HYDROLOGY RIVER NSO CO	Hydrology River		•				✓
NSO-2 (ROWA)	Streams/Springs Possessing Lotic Riparian Characteristics		•	•			✓
NSO-3	Definable Streams			•			✓
NSO-4 (ROWA)	Lentic Riparian Areas (including springs, seeps, and fens)		•	•			✓
NSO-1 (BLM 1987)	No Surface Occupancy (Grand Junction Municipal Watershed)	•				✓	
NSO-5	Palisade and Grand Junction Municipal Watersheds		•				✓
NSO-6 (ROWA)	Palisade and Grand Junction Municipal Watersheds, Collbran and Mesa/Powderhorn Source Water Protection Areas, and Jerry Creek Watershed			•			✓
NSO-7	Water Intake Zone 3			•			✓
Soils and Geology							
NSO-1 (ROWA) (Exhibit GJ-1AB) (BLM 1987)	No Surface Occupancy (Soils in the Baxter/Douglas Slump Area)	•				✓	
NSO-1 (ROWA) (Exhibit GJ-1AA) (BLM 1987)	No Surface Occupancy (Soils in the Plateau Area)	•				✓	
NSO-9 (ROWA)	Fragile Soils			•			✓
NSO-3 (BLM 1987)	Steep Slopes	•				✓	
GEOLOGY SLOPE NSO CO	Geology Slope		•				✓
GEOLOGY SOIL NSO CO	Geology Soil		•				✓
NSO-10 (ROWA)	Steep Slopes Greater than or Equal to 40 Percent			•	•		✓
Vegetation							
NSO-2 (ROWA)	Streams/Springs Possessing Lotic Riparian Characteristics		•	•			✓
NSO-4 (ROWA)	Lentic Riparian Areas (including springs, seeps, and fens)		•	•			✓

Table B-1
Summary of No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative				Fluid Minerals Only	All Surface- disturbing Activities
		A	B	C	D		
	Special Status Species						
NSO-11 (ROWA)	Conservation Populations of Cutthroat Trout				•		✓
NSO-1 (ROWA)	Major River Corridors			•	•		✓
HYDROLOGY RIVER NSO CO	Hydrology River		•				✓
NSO-2 (ROWA)	Streams/Springs Possessing Lotic Riparian Characteristics		•	•			✓
NSO-1 (Partial ROWA) (BLM 1987)	No Surface Occupancy (ACECs: Badger Wash, Pyramid Rock, and Unaweep Seep)	•				✓	
NSO-12 (Partial ROWA)	ACECs		•	•	•		✓
NSO-13 (ROWA)	Current and Historically Occupied Habitat and Critical Habitat of Threatened, Endangered, Proposed, and Candidate Plant and Animal Species		•	•			✓
NSO-14 (ROWA)	Currently Occupied Habitat of Threatened, Endangered, Proposed, and Candidate Species				•		✓
NSO-15 (ROWA)	BLM Sensitive Plant Species' Occupied Habitat			•			✓
NSO-16 (ROWA)	Osprey Nest Sites			•			✓
NSO-17 (ROWA)	Ferruginous Hawk Nest Sites			•			✓
NSO-18 (ROWA)	Red-tailed Hawk Nest Sites			•			✓
NSO-19 (ROWA)	Swainson's Hawk Nest Sites			•			✓
NSO-20 (ROWA)	Peregrine Falcon Nest Sites			•			✓
NSO-21 (ROWA)	Prairie Falcon Nest Sites			•			✓
NSO-22 (ROWA)	Other Raptor Species (accipiters, falcons [except kestrel], buteos, and owls)			•			✓
NSO-23 (ROWA)	Golden Eagle Nest Sites		•	•	•		✓
NSO-24 (ROWA)	Bald Eagle Nest Sites		•	•	•		✓
NSO-25 (ROWA)	Sage-grouse Leks, Nesting, and Early Brood-rearing Habitat (6.4 kilometers [4 miles])		•	•			✓
NSO-26 (ROWA)	Canyon Treefrog, Midget Faded Rattlesnake, Northern Leopard Frog, Great Basin Spadefoot, Long-nosed Leopard Lizard, Boreal Toad (no buffer)		•		•		✓
NSO-27 (ROWA)	Canyon Treefrog, Midget Faded Rattlesnake, Northern Leopard Frog, Great Basin Spadefoot, Boreal Toad (805 meters [0.5-mile])			•			✓
NSO-28 (ROWA)	Special Status Bat Species' Roost Sites and Winter Hibernacula			•			✓

Table B-1
Summary of No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative				Fluid Minerals Only	All Surface-disturbing Activities
		A	B	C	D		
WILDLIFE BAT NSO CO	Wildlife Bat		•				✓
NSO-29 (ROWA)	Active Kit Fox Dens			•			✓
NSO-30 (ROWA)	Occupied Prairie Dog Towns (no buffer)		•				✓
NSO-31 (ROWA)	Occupied Prairie Dog Towns (46 meters [150 feet])			•			✓
Fish and Wildlife							
NSO-32 (ROWA)	Research Sites		•	•	•		✓
NSO-12 (Partial ROWA)	ACECs		•	•	•		✓
NSO-1 (ROWA) (BLM 1987)	No Surface Occupancy (Wildlife Habitat in Rough Canyon)	•				✓	
NSO-1 (ROWA) (BLM 1987)	No Surface Occupancy (State Wildlife Areas)	•				✓	
RECREATION PARKS NSO CO	Recreation Parks		•				✓
NSO-1 (Exhibit GJ-IDC) (BLM 1987)	No Surface Occupancy (Elk Calving Sites)	•				✓	
NSO-34 (ROWA)	Elk Production Area		•	•	•		✓
WILDLIFE HABITAT NSO CO	Wildlife Habitat		•				✓
NSO-35 (Partial ROWA)	Wildlife Emphasis Areas			•			✓
Wild Horses							
NSO-36 (ROWA)	Little Book Cliffs Wild Horse Range		•	•			✓
Cultural Resources							
NSO-37 (ROWA Alternatives B and C)	Allocation to Conservation Use Category		•	•	•		✓
NSO-38 (ROWA Alternatives B and C)	Allocation to Traditional Use Category		•	•	•		✓
NSO-1 (BLM 1987)	No Surface Occupancy (Cultural Resources)	•				✓	
NSO-39 (ROWA Alternatives B and C)	Cultural Resources (Indian Creek)		•	•	•		✓

Table B-1
Summary of No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative				Fluid Minerals Only	All Surface-disturbing Activities
		A	B	C	D		
Visual Resources							
NSO-1 (BLM 1987)	No Surface Occupancy (Visual Resources)	•	•			✓	
VISUAL CLASS I NSO CO	Visual Class I		•				✓
NSO-40	VRM (Class I and the Goblins)			•	•		✓
Lands Managed for Wilderness Characteristics							
NSO-41	Lands Managed for Wilderness Characteristics			•			✓
LANDS WITH WILDERNESS CHARACTERISTICS NSO CO	Lands with Wilderness Characteristics		•				✓
Recreation and Visitor Services							
NSO-1 (ROWA) (BLM 1987)	No Surface Occupancy (Recreational Resources at The Palisade ONA, established recreation sites, Island Acres, Vega State Recreation Area, Highline Reservoir Recreation Area, Rough Canyon ACEC, Hunter/Garvey backcountry, Granite Creek Canyons/Cliffs, Bangs Canyon, Dolores River, and Gunnison River)	•				✓	
NSO-42 (Partial ROWA)	Special Recreation Management Areas			•	•		✓
RECREATION SRMA NSO CO	Recreation SRMA		•				✓
RECREATION PARKS NSO CO	Recreation Parks		•				✓
Fluid Minerals (Oil and Gas and Geothermal Resources)							
NSO-1 (BLM 1987)	No Surface Occupancy (State Wildlife Areas)	•				✓	
RECREATION PARKS NSO CO	Recreation Parks		•				✓
ACECs							
NSO-1 (Partial ROWA) (BLM 1987)	No Surface Occupancy (ACECs: Badger Wash, Pyramid Rock, and Unaweeep Seep)	•				✓	

Table B-1
Summary of No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative				Fluid Minerals Only	All Surface- disturbing Activities
		A	B	C	D		
NSO-12 (<i>Partial ROWA</i>)	ACECs		•	•	•		✓
	Wilderness Study Areas						
NSO-43	Wilderness Study Areas	•	•	•	•		✓
	Wild and Scenic Rivers						
NSO-44 (<i>ROWA</i>)	WSR Study Segments Classified as Wild			•			✓
	National Trails						
NSO-45 (<i>ROWA</i>)	Old Spanish National Historic Trail (50 meters [164 feet])		•		•		✓
NSO-46 (<i>ROWA</i>)	Old Spanish National Historic Trail (805 meters [0.5-mile])			•			✓

¹Details of these stipulations are provided in Table B-5, No Surface Occupancy (NSO) Stipulations Applicable to Fluid Mineral Leasing and Other Surface-disturbing Activities.

²Existing stipulations currently in effect in Alternative A, current management, are noted in italics and are from the current RMP (BLM 1987).

³For Alternative B, this stipulation applies to all-surface disturbing activities except fluid minerals. For the other alternative(s), it applies to all surface-disturbing activities.

Table B-2
Summary of Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative				Fluid Minerals Only	All Surface- disturbing Activities
		A	B	C	D		
Water Resources							
CSU-39	Roan and Carr Creeks ACEC		•				✓
CSU-1 (ROWA)	Major River Corridors			•			✓
CSU-7 (ROWA) (BLM 1987)	Perennial Streams Water Quality	•				✓	
CSU-2 (ROWA)	Hydrologic Features/Riparian			•	•		✓
CSU-3 (ROWA)	Definable Streams		•				✓
CSU-6 (BLM 1987)	Watersheds	•				✓	
CSU-4 (ROWA)	Collbran and Mesa/Powderhorn Source Water Protection Areas, and Jerry Creek Watershed		•		•		✓
Soils and Geology							
GEOLOGY SOIL CSU CO	Geology Soil		•				✓
CSU-6 (ROWA)	Mapped Mancos Shale and Saline Soils			•	•		✓
CSU-7	Natural Slopes			•			✓
Vegetation							
PLANT COMMUNITY CSU CO	Plant Community		•				✓
CSU-8 (ROWA)	Old Growth Forests and Woodlands			•	•		✓
Special Status Species							
CSU-9 (ROWA)	BLM Sensitive Plant Species Occupied Habitat		•				✓
CSU-10 (ROWA)	Wildlife Habitat		•	•			✓
CSU-1 (ROWA)	Major River Corridors			•			✓
CSU-11 (ROWA)	Significant Plant Communities (200 meters [656 feet])			•			✓
CSU-12 (ROWA)	Significant Plant Communities (no buffer)				•		✓
CSU-13 (ROWA)	Osprey Nest Sites		•		•		✓
CSU-14 (ROWA)	Ferruginous Hawk Nest Sites		•		•		✓
CSU-15 (ROWA)	Red-tailed Hawk Nest Sites		•		•		✓
CSU-16 (ROWA)	Swainson's Hawk Nest Sites		•		•		✓
CSU-17 (ROWA)	Peregrine Falcon Nest Sites		•		•		✓
CSU-18 (ROWA)	Prairie Falcon Nest Sites		•		•		✓
CSU-19 (ROWA)	Other Raptor Species (accipiters, falcons [except kestrel], hawks, and owls)		•		•		✓
CSU-20 (ROWA)	Sage-grouse Nesting and Early Brood-rearing Habitat				•		✓
CSU-21 (ROWA)	Special Status Bat Species' Roost Sites and Winter Hibernacula				•		✓

Table B-2
Summary of Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative				Fluid Minerals Only	All Surface-disturbing Activities
		A	B	C	D		
CSU-22 (ROWA)	Kit Fox Dens		•		•		✓
CSU-23 (ROWA)	Occupied Prairie Dog Towns		•		•		✓
	Fish and Wildlife						
CSU-1 (ROWA)	Major River Corridors			•			✓
CSU-10 (ROWA)	Wildlife Habitat		•	•			✓
WILDLIFE HABITAT CSU CO	Wildlife Habitat		•				✓
CSU-24 (ROWA)	Deer and Elk Migration and Movement Corridors		•	•			✓
CSU-25	Wildlife Emphasis Areas			•	•		✓
	Wild Horses						
CSU-2 (Exhibit GJ-2FA) (BLM 1987)	Scenic and Natural Values (Little Book Cliffs Wild Horse Area)	•				✓	
CSU-26	Little Book Cliffs Wild Horse Range				•		✓
	Cultural Resources						
CSU-27 (ROWA Alternatives B and C)	Allocation to Scientific Use Category		•	•	•		✓
CSU-28 (ROWA Alternatives B and C)	Allocation to Public Use Category		•	•	•		✓
CSU-29 (ROWA)	Sub-surface Inventory		•	•	•		✓
CSU-5 (ROWA) (BLM 1987)	Known Cultural Resource Values	•				✓	
	Visual Resources						
CSU-30 (ROWA)	VRM Class II		•	•	•		✓
CSU-2 (BLM 1987)	Scenic and Natural Values (Bangs Benches, the Book Cliffs, established BLM recreation sites, Grand Mesa Slopes, Granite Creek Benches, Gunnison River corridor, highway corridors, Hunter/Garvey, Little Book Cliffs Wild Horse Area, Sinbad Valley, South Shale Ridge, and Unaweep Valley)	•				✓	
	Recreation and Visitor Services						
CSU-2 (BLM 1987)	Scenic and Natural Values (recreation resources at Bangs Benches, Granite Creek Benches, Hunter/Garvey Benches, and Lower Gunnison River)	•				✓	
CSU-31 (ROWA)	Recreation		•	•	•		✓
CSU-32	Recreation Management Areas		•	•	•		✓

Table B-2
Summary of Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number <i>(Existing/New)</i> ²	Protected Resource	Alternative				Fluid Minerals Only	All Surface- disturbing Activities
		A	B	C	D		
	Lands and Realty						
DISPOSAL CSU CO	Disposal		•				✓
CSU-33	Disposal Tracts				•		✓
	Coal						
COAL MINE CSU CO	Coal Mine		•			✓	
CSU-34	Federally Leased Coal			•	•	✓	
	ACEC						
CSU-39	Roan and Carr Creeks ACEC		•				✓
	Wild and Scenic Rivers						
CSU-35 (ROWA)	WSR Study Segments Classified as Scenic and Recreational			•			✓
	National Trails						
CSU-36	Old Spanish National Historic Trail			•			✓
	National and BLM Byways						
CSU-37	Scenic Byways (805 meters [0.5-mile])		•	•			✓
CSU-38	Scenic Byways (402 meters [0.25-mile])				•		✓

¹Details of these stipulations are provided in Table B-6, Controlled Surface Use (CSU) Stipulations Applicable to Fluid Mineral Leasing and Other Surface-disturbing Activities.

²Existing stipulations currently in effect in Alternative A, current management, are noted in italics and are from the current RMP (BLM 1987).

³For Alternative B, this stipulation applies to all-surface disturbing activities except fluid minerals. For the other alternative(s), it applies to all surface-disturbing activities.

Table B-3
Summary of Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative				Fluid Minerals Only	All Surface- disturbing Activities
		A	B	C	D		
Special Status Species							
TL-1 (ROWA)	Salmonid and Native, Non-salmonid Fishes (brown, brook, rainbow, and cutthroat trout; bluehead and flannelmouth sucker; roundtail chub; mountain whitefish; Paiute and mottled sculpin; and speckled dace)		•	•			✓
TL-2 (ROWA)	Occupied Cutthroat Trout Waters				•		✓
TL-3 (ROWA)	Migratory Bird Habitat		•	•			✓
TL-4 (ROWA)	Birds of Conservation Concern’s Habitat				•		✓
WILDLIFE RAPTOR NESTS TL CO	Raptor Nests		•				✓
WILDLIFE SENSITIVE RAPTOR NESTS TL CO	Sensitive Raptor Nests		•				✓
TL-5 (ROWA)	Osprey Nests			•	•		✓
TL-6 (ROWA)	Ferruginous Hawk Nests			•	•		✓
TL-7 (ROWA)	Red-tailed Hawk Nests			•	•		✓
TL-8 (ROWA)	Swainson’s Hawk Nest Sites			•	•		✓
TL-14 (ROWA) (Exhibit GJ-14EB) (BLM 1987)	Threatened and Endangered Seasonal Habitat (Peregrine Falcon Habitat)	•				✓	
TL-9 (ROWA)	Peregrine and Prairie Falcon Nest Sites			•	•		✓
TL-10 (ROWA)	Goshawk Nest Sites			•	•		✓
TL-11 (ROWA)	Burrowing Owl Burrows and Nest Sites			•	•		✓
TL-12 (ROWA)	Other Raptor Species (accipiters, falcons [except kestrel], buteos, and owls)			•	•		✓
TL-13 (ROWA)	Golden Eagle Nest Sites		•	•	•		✓
TL-14 (ROWA) (Exhibit GJ-14EA) (BLM 1987)	Threatened and Endangered Seasonal Habitat (Bald Eagle Habitat)	•				✓	
TL-14 (ROWA)	Bald Eagle Nest Sites		•	•	•		✓
TL-15 (ROWA)	Bald Eagle Winter Roost		•	•	•		✓
TL-16 (ROWA)	Occupied Sage-grouse Winter Habitat		•	•			✓
TL-17 (ROWA)	Sage-grouse Leks (6.4 kilometers [4 miles])		•				✓
TL-18 (ROWA)	Sage-grouse Leks, Nesting, and Early Brood-rearing Habitat (966 meters [0.6-mile])				•		✓
TL-19 (ROWA)	Occupied Prairie Dog Towns		•		•		✓

Table B-3
Summary of Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative				Fluid Minerals Only	All Surface- disturbing Activities
		A	B	C	D		
Fish and Wildlife							
TL-1 (ROWA)	Salmonid and Native, Non-salmonid Fishes (brown, brook, rainbow, and cutthroat trout; bluehead and flannelmouth sucker; roundtail chub; mountain whitefish; Paiute and mottled sculpin; and speckled dace)		•	•			✓ ³
TL-2 (ROWA)	Occupied Cutthroat Trout Waters				•		✓
TL-12 (ROWA) (BLM 1987)	Deer and Elk Winter Range	•				✓	
TL-20 (ROWA)	Big Game Winter Range		•	•	•		✓
TL-9 (ROWA) (BLM 1987)	Bighorn Seasonal Stipulation	•				✓	
TL-4 (ROWA) (BLM 1987)	Elk Calving Area	•				✓	
BIG GAME PRODUCTION TL CO	Big Game Production		•				✓
TL-21 (ROWA)	Big Game Production Areas			•			✓
TL-22 (ROWA)	Pronghorn Wintering Habitat		•	•	•		✓
Wild Horses							
TL-10 (ROWA) (BLM 1987)	Wild Horse Winter Range	•				✓	
TL-11 (ROWA) (BLM 1987)/TL- 23 (ROWA)	Wild Horse Foaling Area	•			•	✓	

¹Details of these stipulations are provided in Table B-7, Timing Limitation (TL) Stipulations Applicable to Fluid Mineral Leasing and Other Surface-disturbing Activities.

²Existing stipulations currently in effect in Alternative A, current management, are noted in italics and are from the current RMP (BLM 1987).

³For Alternative B, this stipulation applies to all-surface disturbing activities except fluid minerals. For the other alternative(s), it applies to all surface-disturbing activities.

Table B-4
Summary of Lease Notices (LN)
Applicable to Fluid Mineral Leasing¹

Stipulation Number (Existing/ New) ²	Protected Resource	Alternative			
		A	B	C	D
	Air Resources				
CO-56	Air Resources		•		
	Water Resources				
<i>LN-17</i>	Palisade Municipal Watershed	•			
LN-1	Source Water Protection Areas		•		
LN-2	Municipal Watersheds and Source Water Protection Areas				•
	Special Status Species				
<i>LN-13</i>	Threatened and Endangered Species Habitat	•			
LN-3	Biological Inventories		•	•	•
<i>LN-15</i>	Colorado Hookless Cactus (Formerly Uinta Basin Hookless Cactus)	•			
LN-4	Threatened and Endangered Species / Colorado Hookless Cactus		•	•	•
	Fish and Wildlife				
LN-3	Biological Inventories		•	•	•
LN-5	Working in Wildlife Habitat		•	•	
	Paleontological Resources				
LN-6	Class 4 and 5 Paleontological Areas	•	•	•	•
	Lands and Realty				
<i>LN-16/ LN-7</i>	Powderhorn Ski Area	•	•		•

¹Details of these stipulations are provided in Table B-8, Lease Notices (LN) and Additional Required Conditions of Approval Applicable to Fluid Mineral Leasing.

²Existing stipulations currently in effect in Alternative A, current management, are noted in italics and are from the current RMP (BLM 1987).

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Water Resources					
NSO-I (ROWA)	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within 402 meters (0.25-mile/1,320 feet) of the ordinary high-water mark (bank-full stage) or within 100 meters (328 feet) of the 100-year floodplain (whichever area is greatest) of the Colorado, Gunnison, and Dolores Rivers.			•	•
Major River Corridors.					
All Surface-disturbing Activities	<p>PURPOSE: To protect rivers and adjacent habitat that provide: a) special status fish and wildlife species habitat; b) important riparian values; c) water quality/filtering values; d) waterfowl and shorebird production values; e) valuable amphibian habitat; f) 100-year floodplain; and g) high scenic and recreation values of the three major rivers (Colorado, Gunnison, and Dolores). Minimizing potential deterioration of water quality and high scenic and recreation values; maintaining natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities; and preserving wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows (note: both actions must be met for exception to be granted):</p> <ul style="list-style-type: none"> • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. Design and construction for a 100-year flood event along strait and stable stream reaches would be required; • New trail construction resulting in a disturbance corridor less than or equal to 1.2 meters (48 inches) wide open to nonmotorized use. Trails would be constructed per BLM minimum design standards; and • Section 7 consultation with USFWS on threatened or endangered species and/or their critical habitat has been completed. 				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is required to minimize potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.</p>				
HYDROLOGY RIVER NSO CO All Surface- disturbing Activities	<p>STIPULATION: No surface occupancy or use is allowed within 400 meters (1312 feet) of the ordinary high-water mark (bank-full stage) or within 100 meters (328 feet) of the 100-year floodplain (whichever area is greatest) on the following major river:</p> <p>Colorado, Gunnison, and Dolores Rivers</p> <p>On the following lands: <LEGAL_DESCRIPTION></p> <p>PURPOSE: To protect rivers and adjacent aquatic habitat that provide: a) <i>special status</i> or <i>critical</i> fish and wildlife species habitat: b) important riparian values: c) water quality/filtering values: d) waterfowl and shorebird production values: e) valuable amphibian habitat: f) 100-year floodplain, and g) high scenic and recreation values of major rivers. Minimizing potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>JUSTIFICATION: This stipulation is required to minimize potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.</p>				
NSO-2 (ROWA) Streams/ Springs Possessing Lotic Riparian Characteristics. All Surface- disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within a minimum distance of 100 meters (328 feet) from the edge of the ordinary high-water mark (bank-full stage). Where the riparian corridor width is greater than 100 meters (328 feet) from bank-full, prohibit surface occupancy and use and surface-disturbing activities within the riparian zone.</p> <p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation, as riparian corridors/flood-prone areas are lands adjacent to waterbodies where activities on land are likely to affect water quality.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • Necessary site restoration and management as dictated by initial analysis or later evaluation/monitoring. • Essential stream crossings associated with linear transportation, and utility crossings. • For actions requiring individual permits through the USACE, require a Licensed Professional Engineer to approve and stamp project design, implementation, and reclamation plans. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to maintain the natural hydrologic function and condition of mountain and rangeland stream systems. Properly functioning stream channels, stream banks, and floodplains (including the riparian zone)</p>		•	•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	transport and store sediment at a rate which is in balance with each system's typical flow regime. Any alteration of this system can create an imbalance between sediment supply and flow, resulting in accelerated erosion, decreased water quality, and degraded habitat conditions and for special status aquatic wildlife. This stipulation is also essential to protect fish bearing streams in the GJFO.				
NSO-3 Definable Streams. <i>All Surface-disturbing Activities</i>	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within a minimum distance of 30 meters (98 feet) from the edge of the ordinary high-water mark (bank-full stage).</p> <p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary because any alteration of properly functioning stream channels, stream banks, and floodplains (including the xeriparian zone) can create an imbalance between sediment supply and stream discharge resulting in accelerated erosion and decreased water quality.</p>			•	
NSO-4 (ROWA) Lentic Riparian Areas (including springs, seeps, and fens). <i>All Surface-disturbing Activities</i>	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within 100 meters (328 feet) from the mapped extent of perennial, intermittent, and ephemeral streams; riparian areas, fens and/or wetlands; and water impoundments. For streams, the buffer will be measured from ordinary high-water mark (bank-full stage), whereas for wetland features, the buffer will be measured from the edge of the mapped extent.</p> <p>PURPOSE: To maintain the proper functioning condition, including the vegetation, hydrologic, and geomorphic functionality of wetland features. To protect water quality, riparian zones, fens, fish habitat, and aquatic habitat, and to provide a clean, reliable source of water for downstream users.</p>		•	•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>Buffers are expected to indirectly benefit migratory birds, wildlife habitat, amphibians, and other species.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary because surface disturbance within the minimum 100-meter (328-foot) buffer may impair proper function and condition of springs, seeps, and fens. Source areas (for springs, seeps, and fens) are delicate and susceptible to any alteration of natural flow patterns, soil infiltration rates, or drainages within the contributing watershed. Changes to these variables may dewater lentic riparian areas, greatly impairing the system's ability to properly function.</p>				
NSO-1 (BLM 1987) No Surface Occupancy (Grand Junction Municipal Watershed). 1,400 acres Fluid Minerals Only	<p>STIPULATION: No occupancy or other activities (fluid minerals only) will be allowed in the Grand Junction municipal watershed on the following portions of this lease: <LEGAL_DESCRIPTIONS></p> <p>PURPOSE: To protect municipal watersheds providing domestic water.</p> <p>EXCEPTION: Exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • New trail construction resulting in a disturbance corridor less than or equal to 1.2 meters (48 inches) wide open to nonmotorized use. Trails would be constructed per BLM minimum design standards. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>	•			
NSO-5 No Surface Occupancy (Palisade and Grand Junction	<p>STIPULATION: Prohibit surface occupancy and use and other surface-disturbing activities in the Palisade and Grand Junction municipal watersheds.</p> <p>PURPOSE: To protect municipal watersheds providing drinking water to local communities.</p>	•			

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected Municipal Watersheds). <i>BLM surface/federal minerals:</i> 900 acres <i>Private or State surface/federal minerals:</i> 8,300 acres All Surface-disturbing Activities	EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions would require professionally engineered design and construction for a 100-year flood event along strait and stable stream reaches. MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to reduce potential for groundwater contamination and/or dewatering of municipal sources.				
NSO-6 (ROWA) No Surface Occupancy (Palisade and Grand Junction Municipal Watersheds, Collbran and Mesa/Powderhorn Source Water Protection Areas, and Jerry Creek Watershed). <i>BLM surface/federal minerals:</i> 34,700 acres <i>Private or State surface/federal minerals:</i> 27,600 acres All Surface-disturbing Activities	STIPULATION: Prohibit surface occupancy and use and other activities in the Palisade and Grand Junction municipal watersheds, Collbran and Mesa/Powderhorn source water protection areas, and Jerry Creek watershed. PURPOSE: To protect municipal watersheds providing drinking water to local communities. EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions would require professionally engineered design and construction for a 100-year flood event along strait and stable stream reaches. MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to reduce potential for groundwater contamination and/or dewatering of domestic and municipal sources.			•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
NSO-7 Water Intake Zone 3. 3,100 acres All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use and other surface-disturbing activities within state identified sensitivity zone 3. In cases where this zone could not be determined through analytic calculations, zone 3 will be defined as a 4-kilometer (2.5-mile) radius around the intake or be based on professional interpretation of geology, topography, and location of municipal wells. The boundary of zone 3 is subject to change based on increased knowledge of groundwater hydrology in these areas.</p> <p>PURPOSE: To protect municipal water.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to reduce potential for groundwater contamination and/or dewatering of domestic and municipal sources.</p>			•	
Soils and Geology					
NSO-1 (ROWA) (Exhibit GJ-1AB) (BLM 1987)	<p>STIPULATION: No occupancy or other activities will be allowed on the following portions of this lease: <LEGAL_DESCRIPTIONS></p>	•			
No Surface Occupancy (Soils in the Baxter/Douglas Slump Area). 53,100 acres Fluid Minerals Only	<p>PURPOSE: To protect soils in the Baxter/Douglas slump area.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified.</p>				
NSO-1 (ROWA) (Exhibit GJ-1AA) (BLM 1987)	<p>STIPULATION: No occupancy or other activities will be allowed on the following portions of this lease: <LEGAL_DESCRIPTIONS></p>	•			
No Surface Occupancy	<p>PURPOSE: To protect soils in the Plateau area.</p>				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected (Soils in the Plateau Area). 900 acres Fluid Minerals Only	EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: This stipulation may be waived or reduced in scope if circumstances change, or if the lease can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified. If this stipulation is waived or reduced in scope, any of the other attached stipulations (if any) may impact operations on this lease.				
NSO-9 (ROWA) Fragile Soils. <i>BLM surface/federal minerals:</i> 481,600 acres <i>Private or state surface/federal minerals:</i> 20,700 acres All Surface-disturbing Activities	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within a minimum of 25 meters (82 feet) of fragile soils (distance may be extended based on site-specific conditions). Onsite evaluation of site-specific soil characteristics may be conducted by BLM or a qualified third party to verify Natural Resource Conservation Service soil mapping unit descriptions are appropriate to the site. These evaluations would be conducted at the discretion of the BLM SWA specialist. PURPOSE: To maintain site stability, site productivity, prevent excessive soil erosion and sediment transport, and increase reclamation potential. EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows: <ul style="list-style-type: none"> • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. • Temporary actions associated with solid mineral exploration (e.g., access roads and exploratory bore holes less than or equal to 20 centimeters [8 inches] in diameter) in which the reclamation process will be initiated a maximum of 1 calendar year from the beginning of construction will be allowed on a case-by-case basis at the discretion of the BLM Authorized Officer. Construction activities will be limited to dry season conditions and 			•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>subject to site-specific mitigation based on soil characteristics. Temporary status of exploration actions may be extended up to a maximum of 3 years (from initial construction) given monitoring results/onsite inspection indicate soil-stabilizing techniques and drainages structures are functional and adequate to protect soil and watershed health.</p> <ul style="list-style-type: none"> • Stipulation does not apply to OHV open areas. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary because accelerated erosion from fragile soils in the GJFO is a major contributor of nonpoint source pollution in rivers and streams. The 25-meter (82-foot) buffer is necessary to adequately protect fragile soils from stormwater runoff and other impacts associated with surface-disturbing actions.</p>				
NSO-3 (BLM 1987) Steep Slopes. 318,200 acres Fluid Minerals Only	<p>STIPULATION: The following portions of the lease include land with greater than 40 percent slopes: <LEGAL_DESCRIPTIONS>. In order to avoid or mitigate unacceptable impacts to soil, water, and vegetation resources on these lands, special design practices may be necessary and higher than normal costs may result. Where impacts cannot be mitigated to satisfaction of the BLM Authorized Officer, no surface-disturbing activities shall be allowed.</p> <p>PURPOSE: To maintain site stability, site productivity, prevent excessive soil erosion and sediment transport, and increase reclamation potential.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change, or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified.</p>	•			

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
Acres/Miles Affected						
GEOLOGY		STIPULATION: No surface occupancy or use is allowed on		•		
SOIL NSO CO		lands with soils, as mapped in the Resource Management Plan,				
<i>BLM surface/ federal minerals:</i>		BLM's GIS database or other maps provided by local, state,				
54,500 acres		federal or tribal agencies that are analyzed and accepted by the				
		BLM, with the following special characteristics:				
<i>Private or state surface/federal minerals:</i>		Baxter/Douglas Pass Slump Area and the Plateau Creek Slump				
3,100 acres		Area.				
All Surface- disturbing Activities		On the following lands: <LEGAL_DESCRIPTION>				
		PURPOSE: To minimize the risk of mass wasting and				
		sedimentation; reduce reclamation costs; protect soil				
		productivity, rare, or sensitive biota; minimize risk to water				
		bodies, fisheries, and aquatic species habitats; and protect				
		human health and safety (e.g., from landslides and mass wasting).				
		EXCEPTION: Standard exceptions apply (Section B.2).				
		MODIFICATION: Standard modifications apply (Section B.2).				
		WAIVER: Standard waivers apply (Section B.2).				
		JUSTIFICATION: JUSTIFICATION: This stipulation is				
		necessary because accelerated erosion from fragile soils in the				
		GJFO is a major contributor of nonpoint source pollution in				
		rivers and streams. The 25-meter (82-foot) buffer is necessary				
		to adequately protect fragile soils from stormwater runoff and				
		other impacts associated with surface-disturbing actions.				
GEOLOGY		STIPULATION: Prohibit surface occupancy and use on lands		•		
SLOPE NSO		with steep slopes greater than 40 percent.				
CO		On the following lands: <LEGAL_DESCRIPTION>				
<i>BLM surface/ federal minerals:</i>		PURPOSE: To minimize the risk of mass wasting and				
347,700 acres		sedimentation; reduce reclamation costs; protect soil				
<i>Private or State surface/federal minerals:</i>		productivity, rare, or sensitive biota; minimize risk to water				
28,800 acres		bodies, fisheries, and aquatic species habitats; and protect				
		human health and safety (e.g., from landslides and mass wasting).				
		EXCEPTION: Standard exceptions apply (Section B.2).				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
All Surface-disturbing Activities	<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary because accelerated erosion from soils on steep slopes in the GJFO can be a major contributor of nonpoint source pollution in rivers and streams.</p>				
NSO-10 (ROWA)	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities on slopes greater than or equal to 40 percent to maintain site stability.</p> <p>PURPOSE: To maintain site stability, minimize erosion, and increase reclamation potential of disturbed areas.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • Above-ground electrical transmission lines. • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. • Alternative D only: Temporary actions associated with coal exploration (e.g., access roads and exploratory bore holes less than or equal to 20 centimeters [8 inches] in diameter) in which the reclamation process will be initiated a maximum of 1 calendar year from the beginning of construction will be allowed on a case-by-case basis at the discretion of the Authorized Officer. Construction activities will be limited to dry season conditions and subject to site-specific mitigation. Temporary status of exploration actions may be extended up to a maximum of 3 years (from initial construction) given monitoring results/onsite inspection indicate soil-stabilizing techniques and drainages structures are functional and adequate to protect soil and watershed health. • Alternative D only: Surface disturbance necessary for development of federally leased coal (e.g., mine portals, 				
Steep Slopes Greater than or Equal to 40 Percent.				•	•
<i>BLM surface/federal minerals:</i> 347,700 acres					
<i>Private or State surface/federal minerals:</i> 28,800 acres					
All Surface-disturbing Activities					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	roads, and pads associated with vent holes and methane capture). Professionally engineered design, construction, maintenance, and reclamation would be required to mitigate to the fullest extent practicable all potential resource damage associated with the proposed action.				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation is necessary because accelerated erosion from soils on steep slopes in the GjFO can be a major contributor of nonpoint source pollution in rivers and streams.				
	Vegetation				
NSO-2 (ROWA)	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within a minimum distance of 100 meters (328 feet) from the edge of the ordinary high-water mark (bank-full stage). Where the riparian corridor width is greater than 100 meters (328 feet) from bank-full, prohibit surface occupancy and use and surface-disturbing activities within the riparian zone.		•	•	
Streams/ Springs Possessing Lotic Riparian Characteristics.					
All Surface- disturbing Activities	PURPOSE: To protect water quality and aquatic values and prevent channel degradation, as riparian corridors/flood-prone areas are lands adjacent to waterbodies where activities on land are likely to affect water quality.				
	EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows: <ul style="list-style-type: none"> • Necessary site restoration and management as dictated by initial analysis or later evaluation/monitoring. • Essential stream crossings associated with linear transportation, and utility crossings. 				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation is necessary to maintain the natural hydrologic function and condition of mountain and				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<p>rangeland stream systems. Properly functioning stream channels, stream banks, and floodplains (including the riparian zone) transport and store sediment at a rate which is in balance with each system's typical flow regime. Any alteration of this system can create an imbalance between sediment supply and flow, resulting in accelerated erosion, decreased water quality, and degraded habitat conditions and for special status aquatic wildlife. This stipulation is also essential to protect fish bearing streams in the GJFO.</p>				
NSO-4 (ROWA)	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within a minimum distance of 100 meters (328 feet) from the edge of the riparian zone.</p> <p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary because surface disturbance within the minimum 100-meter (328-foot) buffer may impair proper function and condition of springs, seeps, and fens. Source areas (for springs, seeps, and fens) are delicate and susceptible to any alteration of natural flow patterns, soil infiltration rates, or drainages within the contributing watershed. Changes to these variables may dewater lentic riparian areas, greatly impairing the system's ability to properly function.</p>		•	•	
Lentic Riparian Areas (including springs, seeps, and fens).					
All Surface-disturbing Activities					
Special Status Species					
NSO-11 (ROWA)	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within 100 meters (328 feet) from edge of ordinary high-water mark (bank-full stage) of streams containing genetically pure populations of cutthroat trout. Where the riparian corridor width is greater than 100 meters (328 feet) from stream edge, prohibit surface occupancy and use and surface-disturbing activities within the riparian zone.</p>				•
Conservation Populations of Cutthroat Trout.					
3,600 acres					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
All Surface-disturbing Activities	<p>PURPOSE: To protect conservation and core conservation populations of cutthroat trout.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, in-channel restoration or enhancement work designed to improve stream habitat conditions, riparian plantings, and temporary disturbances of less than 0.1 acre where BMPs are applied.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: Streams with conservation and core conservation populations of cutthroat trout are of the highest priority to BLM, USFWS, and CPW. The 100-meter (328-foot) buffer adequately protects fish habitat values because many of the perennial streams are within narrow canyons and steep slopes so the 100-meter (328-foot) buffer covers most of the key habitat for protecting these species.</p>				
NSO-I (ROWA) Major River Corridors. 11,800 acres All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within stream channels, stream banks, and the area 402 meters (0.25-mile) either side of the ordinary high-water mark (bank-full stage) or within 100 meters (328 feet) of the 100-year floodplain (whichever area is greatest) of the Colorado, Gunnison, and Dolores Rivers.</p> <p>PURPOSE: To protect these riverine and adjacent areas that provide: a) special status fish and wildlife species habitat: b) important riparian values: c) water quality/filtering values: d) waterfowl and shorebird production values: e) valuable amphibian habitat: and f) high scenic and recreation values of the three major rivers (Colorado, Gunnison, and Dolores).</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent 			•	•

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<p>practicable all potential resource damage associated with the proposed action;</p> <ul style="list-style-type: none"> • New trail construction resulting in a disturbance corridor less than or equal to 1.2 meters (48 inches) wide open to nonmotorized use. Trails would be constructed per BLM minimum design standards; and • Section 7 consultation with USFWS on threatened or endangered species and/or their critical habitat has been completed. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is required to minimize potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.</p>				
HYDROLOGY RIVER NSO CO All Surface- disturbing Activities	<p>STIPULATION: No surface occupancy or use is allowed within 400 meters (1312 feet) of the ordinary high-water mark (bank-full stage) or within 100 meters (328 feet) of the 100-year floodplain (whichever area is greatest) on the following major river:</p> <p>Colorado, Gunnison, and Dolores Rivers</p> <p>On the following lands: <LEGAL_DESCRIPTION></p> <p>PURPOSE: To protect rivers and adjacent aquatic habitat that provide: a) <i>special status</i> or <i>critical</i> fish and wildlife species habitat: b) important riparian values: c) water quality/filtering values: d) waterfowl and shorebird production values: e) valuable amphibian habitat: f) 100-year floodplain, and g) high scenic and recreation values of major rivers. Minimizing potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and</p>		•		

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is required to minimize potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.</p>				
NSO-2 (ROWA) Streams/ Springs Possessing Lotic Riparian Characteristics. All Surface- disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within a minimum distance of 100 meters (328 feet) from the edge of the ordinary high-water mark (bank-full stage). Where the riparian corridor width is greater than 100 meters (328 feet) from bank-full, prohibit surface occupancy and use and surface-disturbing activities within the riparian zone.</p> <p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation, as riparian corridors/flood-prone areas are lands adjacent to waterbodies where activities on land are likely to affect water quality.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • Necessary site restoration and management as dictated by initial analysis or later evaluation/monitoring. • Essential stream crossings associated with linear transportation, and utility crossings. 		•	•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to maintain the natural hydrologic function and condition of mountain and rangeland stream systems. Properly functioning stream channels, stream banks, and floodplains (including the riparian zone) transport and store sediment at a rate which is in balance with each system's typical flow regime. Any alteration of this system can create an imbalance between sediment supply and flow, resulting in accelerated erosion, decreased water quality, and degraded habitat conditions and for special status aquatic wildlife. This stipulation is also essential to protect fish-bearing streams in the GJFO.</p>				
NSO-I (Partial ROWA) (BLM 1987) No Surface Occupancy (ACECs: Badger Wash, Pyramid Rock, Unaweep Seep). 1,400 acres Fluid Minerals Only	<p>STIPULATION: Prohibit surface occupancy and use (for fluid minerals only) in the following areas:</p> <ul style="list-style-type: none"> • Hydrologic and sensitive plants study area in Badger Wash ACEC (700 acres) (<i>Exhibit GJ-1BA</i>); • Pyramid Rock State Natural Area (500 acres) (<i>Exhibit GJ-1EF</i>); and • Unaweep Seep State Natural Area and Research Natural Area (200 acres) (<i>Exhibit GJ-1EG</i>). <p>PURPOSE: Badger Wash ACEC: To protect sensitive plants. Pyramid Rock: To protect known threatened, proposed, candidate, and sensitive plant species. Unaweep Seep: To protect sensitive plants.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
NSO-12 (Partial ROWA)	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities in the following ACECs to protect threatened, proposed, candidate, and sensitive species:		•	•	•
ACECs.					
Alternative B: 34,600 acres	<u>Alternative B:</u> <ul style="list-style-type: none">• Atwell Gulch (2,900 acres);• Badger Wash (2,200 acres);				
Alternative C: 38,200 acres	<ul style="list-style-type: none">• Pyramid Rock (1,300 acres);• South Shale Ridge (28,200 acres); and				
Alternative D: 3,600 acres	<ul style="list-style-type: none">• Unaweeep Seep (85 acres).				
All Surface-disturbing Activities	<u>Alternative C:</u> <ul style="list-style-type: none">• Atwell Gulch (6,100 acres);• Badger Wash (2,200 acres);• Plateau Creek (220 acres);• Pyramid Rock (1,300 acres);• South Shale Ridge (28,200 acres); and• Unaweeep Seep (85 acres). <u>Alternative D:</u> <ul style="list-style-type: none">• Badger Wash (2,200 acres);• Pyramid Rock (1,300 acres); and• Unaweeep Seep (80 acres). <p>PURPOSE:</p> <ul style="list-style-type: none">• Atwell Gulch: To protect threatened and sensitive plants.• Badger Wash: To protect sensitive plants.• Plateau Creek: To protect sensitive fish species.• Pyramid Rock: To protect known threatened, proposed, and sensitive plants.• South Shale Ridge: To protect threatened, proposed, and sensitive plants.• Unaweeep Seep: To protect sensitive plants and Great Basin Silverspot Butterfly habitat. <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: This stipulation may be modified to include species listed as threatened, endangered, proposed, candidate, or sensitive in the future. This stipulation may also be modified</p>				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	to account for the change in status of species protected in this stipulation. WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to protect critical habitat for threatened, proposed, and sensitive plants.				
NSO-13 (ROWA)	STIPULATION: Prohibit certain surface uses, as specified below, to protect threatened, endangered, proposed, and candidate plants and animals from indirect impacts, loss of immediately adjacent suitable habitat, or impacts to primary constituent elements of critical habitat as designated by USFWS. Maintain existing buffer distances where pre-existing disturbance exists, and reduce redundancies in roads to minimize fragmentation, and minimize direct impacts from motorized and mechanized users of roads, routes and trails. In undisturbed environments and ACECs, prohibit new disturbance within 200 meters (656 feet) of current and historically occupied and suitable habitat. This stipulation includes emergency closures of roads where damage to T&E habitat has occurred. PURPOSE: To protect threatened, endangered, proposed, and candidate species from indirect impacts or loss of immediately adjacent suitable habitat. EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO may be altered if all of the following conditions are met: <ol style="list-style-type: none"> 1. Section 7 consultation with USFWS on threatened or endangered species has been completed; 2. Valid current surveys for protected species have been completed and submitted; 3. Mitigation has been applied to avoid adverse impacts to protected species and the proponent will submit monitoring reports; and 4. The proposed disturbance would occur in unsuitable habitat. Other surface-disturbing activities may be allowed in suitable habitat if conditions 1 through 3 above are met, and the purpose				
Current and Historically Occupied Habitat and Critical Habitat of Threatened, Endangered, Proposed, and Candidate Plant and Animal Species.					
All Surface-disturbing Activities					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>or the result of the activity would improve habitat conditions for the protected species.</p> <p>Allow occupancy within 200 meters (656 feet) when terrain and topography provide adequate protections</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect threatened, endangered, proposed, and candidate species and ensure the preservation of their habitat (including plant pollinator habitat).</p>				
NSO-14 (ROWA)	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities to protect threatened, endangered, proposed, and candidate plants and animals from indirect impacts or loss of immediately adjacent suitable habitat. Maintain existing buffer distances where pre-existing disturbance exists. In undisturbed environments and ACECs, prohibit new disturbance within 200 meters (656 feet) of habitat.</p> <p>PURPOSE: To protect threatened, endangered, proposed, and candidate species from indirect impacts or loss of immediately adjacent suitable habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO may be altered if all of the following conditions are met:</p> <ol style="list-style-type: none"> 1. Section 7 consultation with USFWS on threatened or endangered species has been completed; 2. Valid current surveys for protected species have been completed; 3. Mitigation has been applied to avoid adverse impacts to protected species; and 4. The proposed disturbance would occur in unsuitable habitat. <p>Other surface-disturbing activities may be allowed in suitable habitat if conditions 1 through 3 above are met, and the purpose or the result of the activity would improve habitat conditions for the protected species.</p>				•
Currently Occupied Habitat of Threatened, Endangered, Proposed, and Candidate Species. All Surface-disturbing Activities					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to provide minimal protection for occurrences of threatened, endangered, proposed, and candidate species.</p>				
NSO-15 (ROWA)	•				
BLM Sensitive Plant Species' Occupied Habitat.	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within 100 meters (328 feet) of BLM sensitive plant species' occupied habitat. In addition, relocation of operations by more than 200 meters (656 feet) may be required.</p> <p>PURPOSE: To protect BLM sensitive plant species and their habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions may be granted for activities where no other feasible alternatives are available and losses of population numbers comprise less than five percent of total population present in the action area.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to guard against BLM-permitted activities resulting in the listing of any species on the State Director's Sensitive Species List. This stipulation is based on guidance from the USFWS and BLM (USFWS and BLM 2008).</p>				
All Surface-disturbing Activities					
NSO-16 (ROWA)	•				
Osprey Nest Sites.	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities (beyond that which historically occurred in the area prior to nest establishment) within 402 meters (0.25-mile) of active osprey nest sites.</p> <p>PURPOSE: To protect osprey habitat and nest sites.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p>				
All Surface-disturbing Activities					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect osprey nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				
NSO-17 (ROWA)	•				
Ferruginous Hawk Nest Sites.	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities (beyond that which historically occurred in the area prior to nest establishment) within 805 meters (0.5-mile) of active ferruginous hawk nest sites and associated alternate nests.</p> <p>PURPOSE: To protect ferruginous hawk nesting habitat</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect ferruginous hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				
All Surface-disturbing Activities					
NSO-18 (ROWA)	•				
Red-tailed Hawk Nest Sites.	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities (beyond that which historically occurred in the area prior to nest establishment) within 531 meters (0.33-mile) of active red-tailed hawk nest sites and associated alternate nests.</p> <p>PURPOSE: To protect red-tailed hawk nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p>				
All Surface-disturbing Activities					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect red-tailed hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				
NSO-19 (ROWA) Swainson's Hawk Nest Sites. All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities (beyond that which historically occurred in the area prior to nest establishment) within 402 meters (0.25-mile) of active Swainson's hawk nest sites and associated alternate nests.</p> <p>PURPOSE: To protect Swainson's hawk nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect Swainson's hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>			•	
NSO-20 (ROWA) Peregrine Falcon Nest Sites. All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities (beyond that which historically occurred in the area prior to nest establishment) within 805 meters (0.5-mile) of active peregrine falcon nest sites.</p> <p>PURPOSE: To protect peregrine falcon nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect peregrine falcon nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>			•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
NSO-21 (ROWA) Prairie Falcon Nest Sites. <i>All Surface-disturbing Activities</i>	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities (beyond that which historically occurred in the area prior to nest establishment) within 0.5-mile of active prairie falcon nest sites.</p> <p>PURPOSE: To protect prairie falcon nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect prairie falcon nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>			•	
NSO-22 (ROWA) Other Raptor Species (accipiters, falcons [except kestrel], buteos, and owls). <i>All Surface-disturbing Activities</i>	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within 201 meters (0.125-mile) of an active nest site of all accipiters, falcons (except kestrel), buteos, and owls not listed in other NSO stipulations. Raptors that are listed and protected by the Endangered Species Act of 1973 and the Bald and Golden Eagle Protection Act are addressed separately.</p> <p>PURPOSE: To protect raptor nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect raptor nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2002).</p>			•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
NSO-23 (ROWA)	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities (beyond that which historically occurred in the area prior to nest establishment) within 402 meters (0.25-mile) of active golden eagle nest sites and associated alternate nests.		•	•	•
Golden Eagle Nest Sites.	PURPOSE: To protect golden eagle nesting habitat.				
All Surface-disturbing Activities	EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation is necessary to protect golden eagle nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).				
NSO-24 (ROWA)	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities (beyond that which historically occurred in the area prior to nest establishment) within 402 meters (0.25-mile) of active bald eagle nests.		•	•	•
Bald Eagle Nest Sites.	PURPOSE: To protect bald eagle nesting habitat.				
All Surface-disturbing Activities	EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation is necessary to protect bald eagle nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
NSO-25 (ROWA) Sage-grouse Leks, Nesting, and Early Brood-rearing Habitat (4 miles). All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within 6.4 kilometers (4 miles) of an active lek or within sage-grouse nesting and early brood-rearing habitat.</p> <p>PURPOSE: To protect breeding, nesting, and brood-rearing habitat for the Gunnison and greater sage-grouse.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending upon the active status of the lek or the geographical relationship of topographical barriers and vegetation to the lek site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to minimize impacts on Greater and Gunnison Sage-Grouse. The four mile buffer is consistent with current scientific research recommendations (The Parachute-Piceance-Roan (PPR) Greater Sage-Grouse Work Group 2008).</p>		•	•	
NSO-26 (ROWA) Canyon Treefrog, Midget Faded Rattlesnake, Northern Leopard Frog, Great Basin Spadefoot, Long-nosed Leopard Lizard, Boreal Toad (no buffer). All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within all identified canyon treefrog, northern leopard frog, midget faded rattlesnake, Great Basin spadefoot, long-nosed leopard lizard (<i>Gambelia wislizenii</i>), and boreal toad breeding and denning sites.</p> <p>PURPOSE: To protect breeding habitat for canyon treefrog, northern leopard frog, midget faded rattlesnake, Great Basin spadefoot, long-nosed leopard lizard, and boreal toad. Note: no midget faded rattlesnake or boreal toad breeding locations are currently identified in the GJFO.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect important breeding habitat for these species. The Northern Leopard Frog has been petitioned for listing under the Endangered Species Act of 1973.</p>		•		•

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
NSO-27 (ROWA) Canyon Treefrog, Midget Faded Rattlesnake, Northern Leopard Frog, Great Basin Spadefoot, Boreal Toad (0.5-mile). <i>All Surface-disturbing Activities</i>	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within 805 meters (0.5-mile) of all identified canyon treefrog, northern leopard frog, midget faded rattlesnake, Great Basin spadefoot, and boreal toad breeding and denning sites.</p> <p>PURPOSE: To protect breeding habitat for canyon treefrog, northern leopard frog, midget faded rattlesnake, Great Basin spadefoot and boreal toad. Note: no midget faded rattlesnake or boreal toad breeding locations are currently identified in the GJFO.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect important breeding habitat for these species. The Northern Leopard Frog has been petitioned for listing under the Endangered Species Act of 1973. The larger buffer would ensure potential impacts would be minimized.</p>			•	
NSO-28 (ROWA) Special Status Bat Species' Roost Sites and Winter Hibernacula. <i>All Surface-disturbing Activities</i>	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within a 402-meter (0.25-mile) radius of the entrance of maternity roosts or hibernacula of BLM sensitive bat species, as mapped in the RMP, BLM's GIS database, or other maps provided by local, state, federal, or tribal agencies that are analyzed and accepted by the BLM.</p> <p>PURPOSE: To protect sensitive bat species' maternity roosts and hibernacula.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to minimize impacts on important bat areas.</p>			•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
	Acres/Miles Affected					
WILDLIFE				•		
BAT NSO CO						
<i>All Surface-disturbing Activities</i>		<p>STIPULATION: No surface occupancy or use is allowed within a 402 meter (0.25 mile) radius of the entrance of maternity roosts or hibernacula of BLM sensitive bat species, as mapped in the Resource Management Plan, BLM's GIS database or other maps provided by local, state, federal or tribal agencies that are analyzed and accepted by the BLM.</p> <p><SPECIES></p> <p>On the following lands: <LEGAL_DESCRIPTION></p> <p>PURPOSE: To protect sensitive bat species' maternity roosts and hibernacula.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to minimize impacts on important bat areas.</p>				
NSO-29 (ROWA)				•		
Active Kit Fox Dens.						
<i>All Surface-disturbing Activities</i>		<p>STIPULATION: Prohibit surface occupancy and use, surface-disturbing activities, and other intensive activities including but not limited to work-over rigs and permitted recreational events within 200 meters (656 feet) of active kit fox dens.</p> <p>PURPOSE: To protect breeding kit fox. Note there are currently no known breeding locations for kit fox in the GJFO.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to minimize disturbance to the kit fox, which have become increasingly rare in Colorado and appear to be significantly more susceptible to disturbance than other canids in the GJFO.</p>				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
NSO-30 (ROWA)	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities (beyond that which historically occurred in the area) within active white-tailed prairie dog towns in the Prairie Canyon Wildlife Emphasis Area.		•		
Occupied Prairie Dog Towns (no buffer).	PURPOSE: To maintain or improve white-tailed prairie dog habitat and distribution.				
All Surface-disturbing Activities	EXCEPTION: Standard exceptions apply (Section B.2). Additional exception criteria include activities that avoid the center of active towns while maintaining the integrity of the town's social structure.				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation is necessary to protect prairie dogs, a keystone species whose population has been declining across the western US.				
NSO-31 (ROWA)	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities (beyond that which historically occurred in the area) within 46 meters (150 feet) of active white-tailed prairie dog towns.		•		
Occupied Prairie Dog Towns (46 meters).	PURPOSE: To maintain or improve white-tailed prairie dog habitat and distribution.				
All Surface-disturbing Activities	EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending upon the type of activity and existing disturbance within 46 meters (150 feet) of the white-tailed prairie dog town.				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation provides additional protection for prairie dogs, a keystone species whose population has been declining across the western US.				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Fish and Wildlife					
NSO-32 (ROWA)	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities in approved research sites including, but not limited to, the Ant Research Area (16 Road) and the Owl Banding Station (south of DeBeque).		•	•	•
Research Sites.					
130 acres					
All Surface-disturbing Activities	<p>PURPOSE: To maintain the integrity of ongoing research stations.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions would be granted for work to be done in the research areas consistent with the goals and objectives of the research being conducted on the site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect long-term, ongoing research sites within the GJFO. If research sites are impacted, they incur the potential for research findings to be negatively affected.</p>				
NSO-12 (Partial ROWA)	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities in the following ACECs to protect threatened, proposed, candidate, and sensitive species and habitat:		•	•	•
ACECs.					
Alternative B: 74,800 acres	<p><u>Alternative B:</u></p> <ul style="list-style-type: none"> • Atwell Gulch (2,900 acres); • Indian Creek (2,300 acres); • Palisade (32,200 acres); • Rough Canyon (2,800 acres); • Sinbad Valley (6,400 acres); and • South Shale Ridge (28,200 acres). 				
Alternative C: 146,600 acres					
Alternative D: 26,300 acres					
All Surface-disturbing Activities	<p><u>Alternative C:</u></p> <ul style="list-style-type: none"> • Atwell Gulch (6,100 acres); • Colorado River Riparian (880 acres); • Glade Park-Pinyon Mesa (27,200 acres); • Indian Creek (2,300 acres); • Palisade (32,200 acres); 				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected	<ul style="list-style-type: none"> • Plateau Creek (220 acres); • Prairie Canyon (6,900 acres); • Roan and Carr Creeks (33,600 acres); • Rough Canyon (2,800 acres); • Sinbad Valley (6,400 acres); and • South Shale Ridge (28,200 acres). <p><u>Alternative D:</u></p> <ul style="list-style-type: none"> • Palisade (23,600 acres); and • Rough Canyon (2,700 acres). <p>PURPOSE:</p> <ul style="list-style-type: none"> • Atwell Gulch: To protect wildlife habitat. • Colorado River Riparian: To protect fisheries values. • Glade Park-Pinyon Mesa: To protect Gunnison Sage-Grouse critical habitat. • Indian Creek: To protect wildlife values. • The Palisade: To protect special status wildlife. • Plateau Creek: To protect fisheries values. • Prairie Canyon: To protect wildlife habitat. • Roan and Carr Creeks: To protect core conservation populations of cutthroat trout. • Rough Canyon: To protect wildlife habitat. • Sinbad Valley: To protect wildlife resources. • South Shale Ridge: To protect wildlife habitat. <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: This stipulation may be modified to include species listed as threatened, endangered, proposed, candidate, or sensitive in the future. This stipulation may also be modified to account for the change in status of species protected in this stipulation.</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect critical habitat for threatened, proposed, and sensitive plants.</p>				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected RECREATION PARKS NSO CO All Surface-disturbing Activities	STIPULATION: Prohibit surface occupancy and use within the boundaries of the following county parks, state parks, state wildlife areas, federal wildlife refuges, and/or National Park Service units: <ul style="list-style-type: none"> • Horsethief Canyon State Wildlife Area (1,400 acres) • Jerry Creek Reservoir State Wildlife Area (870 acres) • Plateau Creek State Wildlife Area (1,400 acres) • Highline State Park (350 acres) • Vega State Park (2,000 acres) On the following lands: <LEGAL_DESCRIPTION> PURPOSE: To protect the resources of wildlife refuges and park units, such as county parks, state parks, and wildlife areas, and federal parks and wildlife refuges. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to prevent placement of facilities within the state wildlife areas, where BLM manages the fluid mineral rights.		•		
NSO-I <i>(Exhibit GJ-1 DE)</i> <i>(BLM 1987)</i> No Surface Occupancy (Wildlife Habitat in Rough Canyon). 2,600 acres Fluid Minerals Only	STIPULATION: Prohibit occupancy or other activity (fluid minerals only) on the following portions of this lease: <LEGAL_DESCRIPTIONS> PURPOSE: To protect wildlife habitat in Rough Canyon. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lease can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified. If this stipulation is waived or reduced in scope, any of the other attached stipulations (if any) may impact operations on this lease.	•			

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected NSO-1 (ROWA) (BLM 1987) No Surface Occupancy (State Wildlife Areas). Fluid Minerals Only	STIPULATION: Prohibit occupancy and other activities (fluid minerals only) on the following portions of this lease: <LEGAL_DESCRIPTIONS> <ul style="list-style-type: none"> • Highline Reservoir recreation site (1,800 acres) (Exhibit GJ-11E) • Horsethief Canyon (1,400 acres) (Exhibit GJ-1DD) • Jerry Creek Reservoir (7,200 acres) (Exhibit GJ-6BD) • Vega Reservoir recreation site (4,000 acres) (Exhibit GJ-11D) PURPOSE: To protect wildlife habitat, reservoirs, and recreation facilities. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2).	•			
NSO-1 (Exhibit GJ-1DC) (BLM 1987) No Surface Occupancy (Elk Calving Sites). Fluid Minerals Only	STIPULATION: Prohibit occupancy or other activity (fluid minerals only) on the following portions of this lease: <LEGAL_DESCRIPTIONS> PURPOSE: To protect elk calving sites. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lease can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified. If this stipulation is waived or reduced in scope, any of the other attached stipulations (if any) may impact operations on this lease.	•			
NSO-34 (ROWA) Elk Production Area. BLM surface/ federal minerals: 13,100 acres	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities in elk production areas year-round. PURPOSE: To protect elk production areas. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard modifications apply (Section B.2).		•	•	•

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Private or State surface/federal minerals: 25,100 acres All Surface-disturbing Activities	<p>JUSTIFICATION: This stipulation is necessary to reduce surface disturbance and habitat fragmentation on BLM lands that CPW has identified as elk calving habitat.</p>				
WILDLIFE HABITAT NSO CO All Surface-disturbing Activities	<p>STIPULATION: No surface occupancy or use is allowed within the following wildlife emphasis or priority areas, as identified in the Resource Management Plan:</p> <ul style="list-style-type: none"> • Blue Mesa (wintering habitat for mule deer and elk) (9,300 acres); • Bull Hill (wintering habitat for mule deer and elk) (4,800 acres); • A portion of East Salt Creek (wintering habitat for mule deer and elk) (4,500 acres); • A portion of Prairie Canyon (pronghorn antelope habitat) (5,600 acres); • Sunnyside (wintering and migratory habitat for bighorn sheep, mule deer, elk, and Greater Sage-Grouse) (14,500 acres); and • Timber Ridge (habitat for mule deer, elk, and Gunnison Sage-Grouse) (11,800 acres). <p>On the following lands: <LEGAL_DESCRIPTION></p> <p>PURPOSE: To protect lands identified in the Resource Management Plan as unique and important wildlife habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect the highest priority wildlife habitat for deer, elk, antelope, bighorn sheep, and sage-grouse. Wildlife emphasis areas were identified in coordination with CPW biologists.</p>	•			

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
NSO-35 (ROWA) Wildlife Emphasis Areas. 57,800 acres All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within the following wildlife emphasis areas:</p> <ul style="list-style-type: none"> • Beehive (wintering and migratory habitat for mule deer and elk) (4,700 acres); • Blue Mesa (wintering habitat for mule deer and elk) (9,300 acres); • Bull Hill (wintering habitat for mule deer and elk) (4,800 acres); • Casto (wintering habitat for mule deer and elk) (4,200 acres); • A portion of East Salt Creek (wintering habitat for mule deer and elk) (4,400 acres); • A portion of Prairie Canyon (pronghorn antelope habitat) (5,600 acres); • A portion of Rapid Creek (wintering habitat for mule deer) (1,700 acres); and • Sunnyside (wintering and migratory habitat for bighorn sheep, mule deer, elk, and Greater Sage-Grouse) (11,300 acres); and • Timber Ridge (habitat for mule deer, elk, and Gunnison Sage-Grouse) (11,800 acres). <p>PURPOSE: To protect wildlife emphasis areas for the species noted above. Wildlife emphasis areas are areas of the highest value/top-ranked wildlife habitat (by BLM and CPW) for multiple species.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions would be granted for range improvement projects designed to improve livestock grazing distribution.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect the highest priority wildlife habitat for deer, elk, antelope, bighorn sheep, and sage-grouse. Wildlife emphasis areas were identified in coordination with CPW biologists.</p>			•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Wild Horses					
NSO-36 (ROWA)	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities on lands within the LBCWHR.		•	•	
Little Book Cliffs Wild Horse Range.	PURPOSE: To reduce impacts on wild horses in the LBCWHR.				
35,200 acres	EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions would be granted for gather activities, vegetative treatments, water hauling or the development of springs, catchments, reservoirs, storage tanks, exclosures or fences designed to improve wild horse forage, distribution, containment, or overall management.				
All Surface- disturbing Activities	MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard modifications apply (Section B.2). JUSTIFICATION: This stipulation is necessary to mitigate impacts that could interfere with the protection and management of wild horses in the LBCWHR.				
Cultural Resources					
NSO-37 (ROWA)	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities, including archaeological excavation, within 100 meters (328 feet) around eligible sites allocated to Conservation Use.		•	•	•
Allocation to Conservation Use Category.	PURPOSE: To protect unique scientific information in sites allocated to Conservation Use.				
All Surface- disturbing Activities	EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: The BLM's Authorizing Officer may modify the site-protection boundary on a case-by-case basis, taking into account topographical barriers, the design of the proposed action, and the characteristics of the cultural resource site and/or area. WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to preserve sites allocated to Conservation Use, where mitigation through data recovery is not an option. This stipulation allows the BLM				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	to mitigate impacts that can cause significant degradation to the site integrity criteria that are applied in the designation of the cultural resource as eligible or potentially eligible for nomination to the NRHP (36 CFR part 800.5(a)(1)).				
NSO-38 (ROWA)	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within 200 meters (656 feet), from the boundary of the following known eligible or potentially eligible sites allocated to Traditional Use. In addition, consider visual impacts that projects may have on sites allocated to this use, and apply appropriate mitigation, which may include redesign.		•	•	•
Allocation to Traditional Use Category.	PURPOSE: To protect values that contribute to sites allocated to Traditional Use.				
All Surface-disturbing Activities	EXCEPTION: Standard exceptions apply (Section B.2).				
	MODIFICATION: The BLM's Authorizing Officer may modify the site-protection boundary on a case-by-case basis after completion and documentation of Native American Consultation, taking into account topographical barriers, the design of the proposed action, and the characteristics of the cultural resource site and/or area.				
	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation is necessary to address indirect or secondary impacts that can occur to cultural resources that have been identified by the Ute Indian Tribe and Ute Mountain Ute Indian Tribe. This stipulation buffer has been established through consultation conducted with the Ute Indian Tribe for the Orchard GAP (shared CRVFO-GJFO MDP) and during the RMP Ute Ethnohistory project with the Ute Indian Tribe and the Ute Mountain Ute Tribe. Impacts to Traditional Use sites are typically not mitigated through data recovery. This stipulation allows the BLM to mitigate impacts that can cause significant degradation to the site integrity criteria that are applied in the designation of the cultural resource as eligible or potentially eligible for nomination to the NRHP (36 CFR part 800.5(a)(1)).				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected NSO-1 (BLM 1987) No Surface Occupancy (Cultural Resources). 4,600 acres Fluid Minerals Only	STIPULATION: Prohibit occupancy or other activity (fluid minerals only) on the following portions of this lease: <LEGAL_DESCRIPTIONS> <ul style="list-style-type: none"> • Site 5ME1358 (Exhibit GJ-IHF) (170 acres); • Indian Creek (Exhibit GJ-IHA) (1,400 acres); • Rough Canyon (Exhibit GJ-IHB) (2,600 acres); and • Ladder Springs (Exhibit GJ-IHG) (460 acres). PURPOSE: To protect unique, significant, and fragile cultural resources. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified.	•			
NSO-39 (ROWA Alternatives B and C) Cultural Resources (Indian Creek). 1,700 acres All Surface-disturbing Activities	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities in the following areas: <ul style="list-style-type: none"> • West Indian Creek (520 acres); and • East Indian Creek (1,200 acres). PURPOSE: To protect cultural resources. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard modifications apply (Section B.2). JUSTIFICATION: This stipulation is necessary because data recovery to mitigate adverse effects (for the purposes of compliance with Section 106 of the NHPA) is not an objective for these sites. This stipulation also preserves the site(s) within these areas for long term research projects.	•	•	•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Visual Resources					
NSO-I (BLM 1987)	STIPULATION: Prohibit occupancy or other activity (fluid minerals only) on the following portions of this lease: <LEGAL_DESCRIPTIONS>.	•	•		
No Surface Occupancy (Visual Resources).	Alternative A:				
Alternative A: 189,900 acres	<ul style="list-style-type: none"> • Juanita Arch (330 acres) (Exhibit GJ-IGA); • The Goblins (120 acres) (Exhibit GJ-IGB); • Dolores River corridor (55,200 acres) (Exhibit GJ-IGE); • Gunnison River corridor (22,000 acres) (Exhibit GJ-IGF); • The Book Cliffs (15,300 acres) (Exhibit GJ-IGH); • Bangs Canyon (39,900 acres) (Exhibit GJ-IGJ); • Sinbad Cliffs (7,400 acres) (Exhibit GJ-IGK); • Granite Creek Canyon/Cliffs (14,200 acres) (Exhibit GJ-IGL); • Unaweep Canyon (54,000 acres) (Exhibit GJ-IGM); • Hunter/Garvey Cliffs (24,400 acres) (Exhibit GJ-IGN); and • Vega State Recreation Area (7,100 acres) (Exhibit GJ-IGO). 				
Alternative B: 109,200 acres	Alternative B:				
Fluid Minerals Only	<ul style="list-style-type: none"> • Highway 141 along the Dolores River (55,200 acres) (Exhibit GJ-IGE); and • Unaweep Canyon (54,000 acres) (Exhibit GJ-IGM). 				
	PURPOSE: To protect visual resources.				
	EXCEPTION: Standard exceptions apply (Section B.2).				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lease can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified. If this stipulation is waived or reduced in scope, any of the other attached stipulations (if any) may impact operations on this lease.				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
VISUAL CLASS I NSO CO <i>All Surface-Disturbing Activities</i> 98,700 acres	STIPULATION: No surface occupancy or use is allowed in VRM Objective Class I areas and the Goblins On the following lands: <LEGAL_DESCRIPTION> PURPOSE: To protect the quality of the scenic (visual) values. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard modifications apply (Section B.2). JUSTIFICATION: This stipulation is necessary to ensure the protection of vital visual features in the GJFO landscape.		•		
NSO-40 VRM (Class I and the Goblins). <i>Alternative C:</i> 100,100 acres <i>Alternative D:</i> 96,500 acres <i>All Surface-disturbing Activities</i>	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within the following areas: <ul style="list-style-type: none"> • All VRM Class I areas; and • The Goblins. PURPOSE: To protect visual resources. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to ensure the protection of vital visual features in the GJFO landscape.			•	•
Lands Managed for Wilderness Characteristics					
NSO-41 Lands Managed for Wilderness Characteristics. 171,000 acres <i>All Surface-disturbing Activities</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities on lands managed for wilderness characteristics outside of existing WSAs: <ul style="list-style-type: none"> • Bangs Canyon (20,400 acres); • East Demaree Canyon (4,800 acres); • East Salt Creek (17,000 acres) • Hunter Canyon (32,000 acres); • Kings Canyon (9,600 acres); • Lumsden Canyon (10,100 acres); • Maverick (20,400 acres); 			•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<ul style="list-style-type: none"> • South Shale Ridge (27,500 acres); • Spink Canyon (13,100 acres); • Spring Canyon (8,800 acres); • Unaweep Canyon (7,200 acres); and • West Creek (adjacent) (110 acres). <p>PURPOSE: To protect wilderness characteristics.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to ensure lands with identified wilderness characteristics remain in their current undeveloped state.</p>				
LANDS WITH WILDERNESS CHARACTERISTICS NSO CO. 44,100 acres All Surface-disturbing Activities	<p>STIPULATION: No surface occupancy or use is allowed on identified lands being managed to protect inventoried wilderness characteristics, in accordance with the Resource Management Plan:</p> <ul style="list-style-type: none"> • Bangs Canyon (19,600 acres); • Maverick (17,800 acres); • Unaweep Canyon (6,700 acres) <p>On the following lands: <LEGAL_DESCRIPTION></p> <p>PURPOSE: To protect inventoried wilderness characteristics and their locally, regionally, or nationally significant recreational, social, economic, and environmental values.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard modifications apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to ensure lands with identified wilderness characteristics remain in their current undeveloped state.</p>	•			

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Recreation and Visitor Services					
NSO-1 (ROWA) (BLM 1987)	<p>STIPULATION: Prohibit occupancy or other activity (fluid minerals only) on the following portions of this lease:</p> <p><LEGAL_DESCRIPTIONS>.</p> <ul style="list-style-type: none"> • The Palisade ONA (860 acres) (Exhibit GJ-1IA); • Established recreation sites (200 acres) (Exhibit GJ-1IB); • Island Acres (560 acres) (Exhibit GJ-1IC); • Vega State Recreation Area (4,000 acres) (Exhibit GJ-1ID); • Highline Reservoir Recreation Area (1,7800 acres) (Exhibit GJ-1IE); • Rough Canyon ACEC (2,600 acres) (Exhibit GJ-1IF); • Hunter/Garvey backcountry (23,000 acres) (Exhibit GJ-1IG); • Granite Creek Canyons/Cliffs (14,000 acres) (Exhibit GJ-1IH); • Bangs Canyon (36,900 acres) (Exhibit GJ-1II); • Dolores River (8,400 acres) (Exhibit GJ-1IK); and • Gunnison River (21,500 acres) (Exhibit GJ-1IL). <p>PURPOSE: To protect recreational resources.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lease can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified. If this stipulation is waived or reduced in scope, any of the other attached stipulations (if any) may impact operations on this lease.</p>	•			
<p>No Surface Occupancy (Recreational Resources).</p> <p>114,000 acres</p> <p>Fluid Minerals Only</p>					
NSO-42	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within the following RMZs/SRMAs.</p> <p><u>Alternative C:</u></p> <ul style="list-style-type: none"> • Bangs (17,300 acres) <p><u>Alternative D:</u></p> <ul style="list-style-type: none"> • Bangs (17,300 acres) • Castle Rock (4,400 acres) • Gunnison River Bluffs (800 acres) • Palisade Rims (2,700 acres) 			•	•
<p>Special Recreation Management Areas.</p> <p>Alternative C: 17,300 acres</p> <p>Alternative D: 25,200 acres</p>					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
All Surface-disturbing Activities	<p>PURPOSE: To protect: (1) the prescribed physical, social, and operational natural resource recreational setting character; (2) the targeted recreation activity, experience, and beneficial outcome opportunities; and (3) visitor health and safety in areas of high recreational value and/or significant recreational activity.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard modifications apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect areas important to recreation users which may also include large facility investments. Protection of RMZs is necessary to meet desired recreation outcomes.</p>				
RECREATION SRMA NSO CO All Surface-disturbing Activities 87,000 acres	<p>STIPULATION: No surface occupancy or use is allowed within the following Special Recreation Management Areas (SRMAs) as identified in the Resource Management Plan:</p> <ul style="list-style-type: none"> • Bangs; • Dolores River Canyon; • North Fruita Desert; and • Palisade Rim. <p>On the following lands: <LEGAL_DESCRIPTION></p> <p>PURPOSE: To protect specific recreation-tourism visitors and/or community customer markets to be served, and maintain the specific setting character and/or service delivery system conditions that are essential to achievement of the experiences and benefits identified in management objectives for the SRMA.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect areas important to recreation users which may also include large facility investments. Protection of RMZs is necessary to meet desired recreation outcomes.</p>	•			

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
RECREATION PARKS NSO CO All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use within the boundaries of the following county parks, state parks, state wildlife areas, federal wildlife refuges, and/or National Park Service units:</p> <ul style="list-style-type: none"> • Horsethief Canyon State Wildlife Area (1,400 acres) • Jerry Creek Reservoir State Wildlife Area (870 acres) • Plateau Creek State Wildlife Area (1,400 acres) • Highline State Park (350 acres) • Vega State Park (2,000 acres) <p>On the following lands: <LEGAL_DESCRIPTION></p> <p>PURPOSE: To protect the resources of wildlife refuges and park units, such as county parks, state parks, and wildlife areas, and federal parks and wildlife refuges.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to prevent placement of facilities within the state wildlife areas, where BLM manages the fluid mineral rights.</p>		•		
Fluid Minerals (Oil and Gas and Geothermal Resources)					
NSO-I (BLM 1987) No Surface Occupancy (State Wildlife Areas). Fluid Minerals Only	<p>STIPULATION: Prohibit occupancy and other activities (fluid minerals only) on the following portions of this lease: <LEGAL_DESCRIPTIONS></p> <ul style="list-style-type: none"> • Highline Reservoir recreation site (1,788 acres) (Exhibit GJ-11E) • Horsethief Canyon (1,400 acres) (Exhibit GJ-1DD) • Jerry Creek Reservoir (7,200 acres) (Exhibit GJ-6BD) • Vega Reservoir recreation site (4,000 acres) (Exhibit GJ-11D) <p>PURPOSE: To protect wildlife habitat, reservoirs, and recreation facilities.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p>		•		

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
WAIVER: Standard waivers apply (Section B.2).					
RECREATION PARKS NSO CO All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use within the boundaries of the following county parks, state parks, state wildlife areas, federal wildlife refuges, and/or National Park Service units:</p> <ul style="list-style-type: none"> • Horsethief Canyon State Wildlife Area (1,400 acres) • Jerry Creek Reservoir State Wildlife Area (870 acres) • Plateau Creek State Wildlife Area (1,400 acres) • Highline State Park (350 acres) • Vega State Park (2,000 acres) <p>On the following lands: <LEGAL_DESCRIPTION></p> <p>PURPOSE: To protect the resources of wildlife refuges and park units, such as county parks, state parks, and wildlife areas, and federal parks and wildlife refuges.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to prevent placement of facilities within the state wildlife areas, where BLM manages the fluid mineral rights.</p>		•		
ACECs					
NSO-1 (Partial ROWA) (BLM 1987)	STIPULATION: Prohibit surface occupancy and use (for fluid minerals only in Alternative A), and prohibit surface occupancy and use and surface-disturbing activities (Alternatives B, C, and D), within the following ACECs:	•	•	•	•
NSO-12 (Partial ROWA)	<u>Alternative A:</u>				
ACECs.	<ul style="list-style-type: none"> • Badger Wash (hydrologic and sensitive plants study area) (Exhibit GJ-1BA) (1,900 acres); • Palisade (Exhibit GJ-1IA) (23,600 acres); • Pyramid Rock State Natural Area (550 acres) (Exhibit GJ-1EF); • Rough Canyon (Exhibit GJ-1EF) (2,700 acres); and • Unaweep Seep (Exhibit GJ-1EG) (80 acres). 				
Alternative A: 28,800 acres					
Alternative B: 89,800 acres					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Alternative C: 168,000 acres	Alternative B:				
Alternative D: 33,200 acres	<ul style="list-style-type: none"> • Atwell Gulch (2,900 acres); • Badger Wash (2,200 acres); • Dolores River Riparian (7,400 acres); • Indian Creek (2,300 acres); • Juanita Arch (1,600 acres); • Mt. Garfield (2,400 acres); • Palisade (32,200 acres); • Pyramid Rock (1,300 acres); • Rough Canyon (2,800 acres); • Sinbad Valley (6,400 acres); • South Shale Ridge (28,200 acres); and • Unaweep Seep (85 acres). 				
Alternative A: Fluid Minerals Only					
Alternatives B, C, and D: All Surface-disturbing Activities	Alternative C:				
	<ul style="list-style-type: none"> • Atwell Gulch (6,100 acres); • Badger Wash (2,200 acres); • Colorado River Riparian (880 acres); • Coon Creek (110 acres); • Dolores River Riparian (7,400 acres); • Glade Park-Pinyon Mesa (27,200 acres); • Gunnison River Riparian (460 acres); • Hawxhurst Creek (860 acres); • Indian Creek (1,700 acres); • John Brown Canyon (1,400 acres); • Juanita Arch (1,600 acres); • Mt. Garfield (5,700 acres); • Nine-mill Hill Boulders (90 acres); • Palisade (32,200 acres); • Plateau Creek (220 acres); • Prairie Canyon (6,900 acres); • Pyramid Rock (1,300 acres); • Reeder Mesa (470 acres); • Roan and Carr Creeks (33,600 acres); • Rough Canyon (2,800 acres); • Sinbad Valley (6,400 acres); 				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<ul style="list-style-type: none"> • South Shale Ridge (28,200 acres); and • Unaweep Seep (85 acres). <p><u>Alternative D:</u></p> <ul style="list-style-type: none"> • Badger Wash (2,200 acres); • Palisade (26,900 acres); • Pyramid Rock (1,300 acres); • Rough Canyon (2,700 acres); and • Unaweep Seep (80 acres). <p>PURPOSE: To protect and prevent irreparable damage to resources described in the relevance and importance criteria for which the ACEC was established.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change, or if the lease can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified. If this stipulation is waived or reduced in scope, any of the other attached stipulations (if any) may impact operations on this lease.</p> <p>JUSTIFICATION: This stipulation is necessary to protect areas that contain highly important resources requiring special protections.</p>				
Wilderness Study Areas					
NSO-43	STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities in WSAs in accordance with BLM Manual 6330, Management of Wilderness Study Areas.	•	•	•	•
Wilderness Study Areas.	<ul style="list-style-type: none"> • Demaree Canyon (22,700 acres); • Little Book Cliffs (29,300 acres); • The Palisade (26,700 acres); • Sewemup Mesa (17,800 acres). <p>PURPOSE: To preserve wilderness characteristics in WSAs in accordance with non-impairment standards as defined by BLM Manual 6330.</p>				
96,500 acres					
All Surface-disturbing Activities					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to preserve wilderness characteristics in WSAs in accordance with non-impairment standards as defined by BLM Manual 6330.</p>				
	Wild and Scenic Rivers				
NSO-44 (ROWA)	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within 402 meters (0.25-mile) of either side of the active river channel (bank-full stage):</p> <ul style="list-style-type: none"> • North Fork West Creek. <p>PURPOSE: To protect the outstanding remarkable values, water quality, and free-flowing nature and recommended classification of suitable segments.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to ensure WSR segments classified as Wild remain undeveloped and waters unpolluted.</p>			•	
WSR Study Segments Classified as Wild.					
1,100 acres					
All Surface-disturbing Activities					
	National Trails				
NSO-45 (ROWA)	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within 50 meters (164 feet) either side of the center line of the congressionally designated Old Spanish National Historic Trail.</p> <p>PURPOSE: To protect the physical evidence of the trail, associated cultural and historic resources, and integrity of the viewshed associated with the Old Spanish National Historic Trail.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions would be granted for actions not resulting in long-term adverse impacts to the trail.</p>		•		•
Old Spanish National Historic Trail (50 meters).					
1,000 acres					
All Surface-disturbing Activities					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to protect the cultural and historic resources along this congressionally designated historic trail.				
NSO-46 (ROWA)	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.5-mile buffer from the center line of the Old Spanish National Historic Trail.				
Old Spanish National Historic Trail (0.5 mile).	PURPOSE: To protect the Old Spanish National Historic Trail.				
3,400 acres	EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions would be granted for actions not resulting in long-term adverse impacts to the trail.				
All Surface-disturbing Activities	MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to protect to protect the cultural and historic resources along this congressionally designated historic trail.				

¹Existing stipulations currently in effect in Alternative A, current management, are noted in italics and are from the current RMP (BLM 1987).

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Water Resources					
CSU-39	STIPULATION: Special design, construction, and implementation measures, including relocation of operations by more than 200 meters (656 feet), may be required in the Roan and Carr Creeks ACEC (33,600 acres).		•		
Roan and Carr Creeks ACEC.					
33,600 acres					
All Surface-disturbing Activities	<p>PURPOSE: To protect and prevent irreparable damage to unique riparian habitats, genetically pure populations of cutthroat trout, and Greater Sage-Grouse habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect areas that contain highly important resources requiring special protections.</p>				
CSU-I (ROWA)	STIPULATION: Apply CSU (site-specific relocation) restrictions from 402 to 805 meters (0.25- to 0.5-mile) landward from identified NSO buffer (402 meters [0.25-mile] from ordinary high water mark or within 100 meters [328 feet] of the 100-year floodplain, whichever is greatest) on either side of the Colorado, Gunnison, and Dolores Rivers for fluid mineral development.			•	
Major River Corridors.					
12,700 acres					
All Surface-disturbing Activities	<p>PURPOSE: To protect these riverine and adjacent areas that provide: a) special status fish and wildlife species habitat: b) important riparian values: c) water quality/filtering values: d) waterfowl and shorebird production values: e) valuable amphibian habitat: and f) high scenic and recreation values of the three major rivers (Colorado, Gunnison, and Dolores).</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. 				

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is required to minimize potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.</p>				
CSU-7 (ROWA) (BLM 1987)	<p>STIPULATION: Limit surface-disturbing activities (for fluid minerals only) within 31 meters (100 feet) of perennial streams to essential roads and utility crossings.</p> <p>PURPOSE: To reduce impacts to water quality.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified.</p>	•			
Perennial Streams Water Quality.					
Fluid Minerals Only					
CSU-2 (ROWA)	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 152 meters (500 feet) from the edge of any hydrologic feature including perennial and intermittent streams, wetlands (including fens), lakes, springs, seeps, and riparian areas.</p> <p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation, as Streamside Management Zones are lands adjacent to a waterbody where activities on land are likely to affect water quality.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect water quality, riparian and wildlife dependent habitats.</p>		•		•
Hydrologic Features/Riparian.					
All Surface-disturbing Activities					

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
CSU-3 (ROWA) Definable Streams. All Surface-disturbing Activities	<p>STIPULATION: Surface-disturbing actions within a minimum distance of 30 meters (98 feet) from the edge of the ordinary high-water mark (bank-full stage) should be avoided to the greatest extent practicable and disturbances would be subject to site specific relocation at the discretion of the BLM.</p> <p>PURPOSE: To protect watershed resource values and reduce non-point source pollutant contributions to the Colorado River system.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2)</p> <p>JUSTIFICATION: This stipulation is necessary to carefully plan and appropriately mitigate disturbances near surface water drainages in order to reduce non-point source pollutant contributions from BLM lands to the Colorado River system.</p>		•		
CSU-6 (BLM 1987) Watersheds. 10,600 acres Fluid Minerals Only	<p>STIPULATION: Require that all lease operations (for fluid minerals only) avoid interference with watershed resource values located on the following portions of this lease:</p> <ul style="list-style-type: none"> • Jerry Creek Reservoirs (5,400 acres) (<i>Exhibit GJ-6BD</i>) and • The Palisade municipal watershed (5,200 acres) (<i>Exhibit GJ-6BB</i>). <p>PURPOSE: To protect watershed resource values.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: This may include the relocation of proposed roads, drilling sites, and other facilities, or the application of appropriate mitigating measures.</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified.</p>	•			

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
CSU-4 (ROWA)						
Collbran and Mesa/ Powderhorn Source Water Protection Areas, and Jerry Creek Watershed.		<p>STIPULATION: Require that all ground disturbances within source water protection areas and the Jerry Creek watershed avoid interference with watershed resource values.</p> <p>PURPOSE: To protect watershed resource values.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2)</p> <p>JUSTIFICATION: This stipulation is necessary because land management actions can compromise both water quality and quantity if proper locations, mitigation and construction techniques are not utilized.</p>		•		•
BLM surface/ federal minerals: 148,200 acres						
Private or State surface/federal minerals: 30,300 acres						
All Surface-disturbing Activities						
Soils and Geology						
GEOLOGY						
SOIL CSU CO		<p>STIPULATION: Surface occupancy or use may be restricted on lands within mapped soils with the following special characteristics:</p> <p>Fragile soils and mapped Mancos shale and saline soils.</p> <p>Special design, construction, and implementation measures, including relocation of operations by more than 200 meters (656 feet), may be required. Prior to authorizing activities in this area, the operator may be required to submit an engineering/reclamation plan to avoid, minimize and mitigate potential effects to soil productivity.</p> <p>On the following lands: <LEGAL_DESCRIPTION></p> <p>PURPOSE: To improve reclamation potential, maintain soil stability and productivity of sensitive areas, minimize</p>		•		
All Surface-disturbing Activities						

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<p>contributions of salinity, selenium and sediments likely to affect downstream water quality, fisheries and other downstream aquatic habitats.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to decrease potential degradation to soil and watershed resources within the Greater Colorado River Basin. Land use decisions occurring on mapped areas of Mancos Shale (e.g., conversion of native vegetative communities to irrigated hay fields or golf courses) have been documented to mobilize selenium and contaminate ground and surface water resources. The Colorado River Basin Salinity Control Act of 1974 directed the BLM to manage the Colorado River's salinity, including salinity contributed from public lands.</p>				
CSU-6 (ROWA)	STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within mapped Mancos Shale areas and on saline soils.			•	•
Mapped Mancos Shale and Saline Soils.	PURPOSE: To improve reclamation potential of disturbed lands, maintain soil stability and productivity in sensitive areas, and to minimize contributions of salt, selenium, sediment, and other minerals constituents of eroding soils likely to affect downstream water quality.				
<i>BLM surface/federal minerals:</i> 355,500 acres	EXCEPTION: Standard exceptions apply (Section B.2).				
<i>Private or State surface/federal minerals:</i> 12,000 acres	MODIFICATION: Standard modifications apply (Section B.2).				
All Surface-disturbing Activities	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation is necessary to decrease potential degradation to soil and watershed resources within the Greater Colorado River Basin. Land use decisions occurring on mapped areas of Mancos Shale (e.g., conversion of native vegetative communities to irrigated hay fields or golf courses) have been documented to mobilize selenium and contaminate				

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		ground and surface water resources. The Colorado River Basin Salinity Control Act of 1974 directed the BLM to manage the Colorado River's salinity, including salinity contributed from public lands.				
CSU-7		STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities associated with all other land use authorizations, permits, and leases granted in areas with natural steep slopes in the range of 25 to 40 percent.				•
Natural Slopes.		PURPOSE: To protect natural slopes.				
<i>BLM surface/federal minerals:</i> 173,100 acres		EXCEPTION: Standard exceptions apply (Section B.2).				
<i>Private or State surface/federal minerals:</i> 26,100 acres		MODIFICATION: Standard modifications apply (Section B.2).				
All Surface-disturbing Activities		WAIVER: Standard waivers apply (Section B.2).				
		JUSTIFICATION: This stipulation is necessary to allow BLM to move surface disturbances away from natural slopes in order to reduce erosion and sediment load, and improve reclamation potential.				
		Vegetation				
PLANT COMMUNITY CSU CO		STIPULATION: Surface occupancy or use may be restricted within occupied habitat that meets BLM's criteria, as established in the Resource Management Plan, for significant and/or relict plant communities:				•
All Surface-disturbing Activities		<ul style="list-style-type: none"> • all old growth forests and woodlands and • plant communities that meet BLM's criteria for significant plant communities 				
		Special design, construction and implementation measures, including relocation of operations by more than 200 meters (656 feet), may be required. Prior to authorizing activities in this area, the operator may be required to submit a plan of development that would demonstrate that habitat would be preserved to maintain the viability of significant or relict plant communities.				
		On the following lands: <LEGAL_DESCRIPTION>				

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<p>PURPOSE: To conserve significant and/or relict plant communities (e.g., old growth forests and Blue Mountain Deciduous Browse/Aspen Communities and woodlands) that are not otherwise protected.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to minimize the loss of old growth trees by adjusting the location of well pads, access roads, and other development; and to limit new disturbance within relic plant communities, thus reducing fragmentation, and the possibility of degradation or loss.</p>				
CSU-8 (ROWA)	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within all old growth forests and woodlands.</p> <p>PURPOSE: To protect old growth forests and woodlands.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to minimize the loss of old growth trees by adjusting the location of well pads, access roads, and other development.</p>				
Old Growth Forests and Woodlands.				•	•
All Surface-disturbing Activities					
CSU-9 (ROWA)	<p>STIPULATION: For plant species listed as sensitive by BLM, special design, construction, and implementation measures within a 100-meter (328 feet) buffer from the edge of occupied habitat may be required. In addition, relocation of operations by more than 200 meters (656 feet) may be required.</p> <p>PURPOSE: To protect BLM sensitive plant species from direct and indirect impacts, including loss of habitat. The protection buffer reduces dust transport, weed invasion, chemical and produced-water spills and those effects on BLM sensitive plant populations. It also reduces impacts to important pollinators and their habitat.</p>				
BLM Sensitive Plant Species Occupied Habitat.			•		

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to reduce direct impacts to sensitive status species by placing disturbances outside of occupied habitat.</p>				
CSU-10 (ROWA) Wildlife Habitat. All Surface-disturbing Activities	<p>STIPULATION: Require proponents of surface-disturbing activities to implement specific measures to mitigate impacts of operations on wildlife and wildlife habitat within high-value or essential wildlife habitat. Measures would be determined through biological surveys, onsite inspections, effects of previous actions in the area, and BMPs.</p> <p>PURPOSE: To reduce impacts of surface disturbing activities and related actions on wildlife and wildlife habitat within high-value or crucial wildlife habitat including, but not limited to, big game winter range and Gunnison and greater sage grouse habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to remain in compliance with current BLM sage grouse direction and allow for protection of essential habitat for wildlife species.</p>		•	•	
CSU-1 (ROWA) Major River Corridors. 12,700 acres All Surface-disturbing Activities	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions from 402 to 805 meters (0.25- to 0.5-mile) landward from identified NSO buffer (402 meters [0.25-mile] from ordinary high water mark or within 100 meters [328 feet] of the 100-year floodplain, whichever is greatest) on either side of the Colorado, Gunnison, and Dolores Rivers for fluid mineral development.</p> <p>PURPOSE: To protect these riverine and adjacent areas that provide: a) special status fish and wildlife species habitat: b) important riparian values: c) water quality/filtering values: d) waterfowl and shorebird production values: e) valuable amphibian</p>			•	

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected	<p>habitat: and f) high scenic and recreation values of the three major rivers (Colorado, Gunnison, and Dolores).</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. • New trail construction resulting in a disturbance corridor less than or equal to 1.2 meters (48 inches) wide open to nonmotorized use. Trails would be constructed per BLM minimum design standards. • BLM on-site evaluation identifies topographic features which adequately buffer and protect riverine environments from adverse impacts. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is required to minimize potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.</p>				
CSU-II (ROWA) Significant Plant Communities (200 meters). All Surface-disturbing Activities	<p>STIPULATION: For those plant communities that meet BLM's criteria for significant plant communities, special design, construction, and implementation measures, including relocation of operations by more than 200 meters (656 feet), may be required. Habitat areas include occupied habitat and habitat necessary for the maintenance or recovery of the species or communities.</p>				•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>PURPOSE: To conserve significant plant communities and relict communities that are not otherwise protected.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to limit new disturbance within relict plant communities, thus reducing fragmentation, and the possibility of degradation or loss.</p>				
CSU-12 (ROWA) Significant Plant Communities (no buffer). All Surface-disturbing Activities	<p>STIPULATION: For those plant communities that meet BLM's criteria for significant plant communities, special design, construction, and implementation measures, including avoidance, may be required. Habitat areas include occupied habitat and habitat necessary for the maintenance or recovery of the species or communities.</p> <p>PURPOSE: To conserve significant plant communities and relict communities that are not otherwise protected.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to limit new disturbance within relict plant communities, thus reducing fragmentation, and the possibility of degradation or loss.</p>				•
CSU-13 (ROWA) Osprey Nest Sites. All Surface-disturbing Activities	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 402 meters (0.25-mile) of active osprey nest sites.</p> <p>PURPOSE: To protect osprey habitat and nest sites.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p>		•		•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect osprey nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				
CSU-14 (ROWA)	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 805 meters (0.5-mile) of active ferruginous hawk nest sites, and associated alternate nests.</p> <p>PURPOSE: To protect ferruginous hawk nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect ferruginous hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•		•
Ferruginous Hawk Nest Sites.					
All Surface-disturbing Activities					
CSU-15 (ROWA)	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 531 meters (0.33-mile) of active red-tailed hawk nest sites, and associated alternate nests.</p> <p>PURPOSE: To protect red-tailed hawk nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect red-tailed hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•		•
Red-tailed Hawk Nest Sites.					
All Surface-disturbing Activities					

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
CSU-16 (ROWA) Swainson's Hawk Nest Sites. <i>All Surface-disturbing Activities</i>	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 402 meters (0.25-mile) of active Swainson's hawk nest sites and associated alternate nests.</p> <p>PURPOSE: To protect ferruginous hawk nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect Swainson's hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•		•
CSU-17 (ROWA) Peregrine Falcon Nest Sites. <i>All Surface-disturbing Activities</i>	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 805 meters (0.5-mile) of active peregrine falcon nest sites.</p> <p>PURPOSE: To protect peregrine falcon nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect peregrine falcon nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•		•
CSU-18 (ROWA) Prairie Falcon Nest Sites. <i>All Surface-disturbing Activities</i>	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 805 meters (0.5-mile) of active prairie falcon nest sites.</p> <p>PURPOSE: To protect prairie falcon nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the CSU area may be altered depending on the status of</p>		•		•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<p>the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect prairie falcon nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				
CSU-19 (ROWA)	STIPULATION: Apply CSU (site-specific relocation) restrictions within 201 meters (0.125-mile) of an active nest site of all accipiters, falcons (except kestrel), buteos, and owls not listed in other CSU stipulations. Raptors that are listed and protected by the Endangered Species Act of 1973 and the Bald and Golden Eagle Protection Act are addressed separately.		•		•
Other Raptor Species (accipiters, falcons [except kestrel], buteos, and owls).	PURPOSE: To protect nesting habitat.				
All Surface-disturbing Activities	<p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect raptor nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2002).</p>				
CSU-20 (ROWA)	STIPULATION: Apply CSU (site-specific relocation) restrictions to protect sage-grouse nesting and early brood-rearing habitat within 6.4 kilometers (4 miles) of an active lek or within sage-grouse nesting and early brood-rearing habitat.				•
Sage-grouse Nesting and Early Brood-rearing Habitat.	PURPOSE: To protect sage-grouse nesting and early brood-rearing habitat.				
All Surface-disturbing Activities	<p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the CSU area may be altered depending upon the active status of the lek or the geographical relationship of topographical barriers and vegetation to the lek site.</p>				

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect sage-grouse nesting and early brood-rearing habitat, per current scientific research recommendations (Parachute-Piceance-Roan Greater Sage-grouse Work Group 2008).</p>				
CSU-21 (ROWA) Special Status Bat Species' Roost Sites and Winter Hibernacula. <i>All Surface-disturbing Activities</i>	<p>STIPULATION: Require mitigation and minimization measures (as determined by the BLM biologist) for all surface occupancy and use and surface-disturbing activities within 402 meters (0.25-mile) of special status bat species' roost sites and winter hibernacula.</p> <p>PURPOSE: To protect bat-roosting and maternity sites and winter hibernacula.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to minimize impact to important bat areas.</p>				•
CSU-22 (ROWA) Kit Fox Dens. <i>All Surface-disturbing Activities</i>	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to, and require mitigation and minimization measures (as determined by the BLM biologist) of, surface occupancy and use and surface-disturbing activities within 200 meters (656 feet) of active kit fox dens.</p> <p>PURPOSE: To protect breeding kit fox. Note: there are currently no known breeding locations for kit fox in the GJFO.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect breeding kit fox, which have become increasingly rare in Colorado and appear to be significantly more susceptible to disturbance than other canids in the GJFO.</p>		•		•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
Acres/Miles Affected						
CSU-23 (ROWA)	Occupied Prairie Dog Towns.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within white-tailed prairie dog towns. Locate permanent above-ground structures outside of prairie dog towns.</p> <p>PURPOSE: To maintain white-tailed prairie dog habitat and distribution.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the CSU area may be altered depending upon the type of activity and existing disturbance within or adjacent to white-tailed prairie dog towns.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect prairie dogs, a keystone species whose population has been declining in the GJFO and across the western US. This stipulation would help to minimize total abandonment of towns by prairie dog colonies due to disturbance.</p>		•		•
	All Surface-disturbing Activities					
		Fish and Wildlife				
CSU-1 (ROWA)	Major River Corridors.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions from 402 to 805 meters (0.25- to 0.5-mile) landward from identified NSO buffer (402 meters [0.25-mile] from ordinary high water mark or within 100 meters [328 feet] of the 100-year floodplain, whichever is greatest) on either side of the Colorado, Gunnison, and Dolores Rivers for fluid mineral development.</p> <p>PURPOSE: To protect these riverine and adjacent areas that provide: a) special status fish and wildlife species habitat: b) important riparian values: c) water quality/filtering values: d) waterfowl and shorebird production values: e) valuable amphibian habitat: and f) high scenic and recreation values of the three major rivers (Colorado, Gunnison, and Dolores).</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p>			•	
12,700 acres	All Surface-disturbing Activities					

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected	<ul style="list-style-type: none"> • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. • New trail construction resulting in a disturbance corridor less than or equal to 1.2 meters (48 inches) wide open to nonmotorized use. Trails would be constructed per BLM minimum design standards. • BLM on-site evaluation identifies topographic features which adequately buffer and protect riverine environments from adverse impacts. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is required to minimize potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.</p>				
CSU-10 (ROWA) Wildlife Habitat. All Surface-disturbing Activities	<p>STIPULATION: Require proponents of surface-disturbing activities to implement specific measures to mitigate impacts of operations on wildlife and wildlife habitat within high-value or crucial wildlife habitat. Measures would be determined through biological surveys, onsite inspections, effects of previous actions in the area, and BMPs.</p> <p>PURPOSE: To reduce impacts of surface disturbing activities and related actions on wildlife and wildlife habitat within high-value or crucial wildlife habitat including, but not limited to, big game winter range and Gunnison and greater sage grouse habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p>	•	•		

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to remain in compliance with current BLM sage grouse direction and allow for protection of essential habitat for wildlife species.</p>				
WILDLIFE HABITAT CSU CO	<p>STIPULATION: Surface occupancy or use may be restricted within the following wildlife emphasis or priority areas, as identified in the Resource Management Plan:</p> <ul style="list-style-type: none"> • Beehive (habitat for mule deer and elk) (4,700 acres); • A portion of East Salt Creek (habitat for mule deer and elk) (20,500 acres); • Glade Park (habitat for Gunnison Sage-Grouse, mule deer, and elk) (27,200 acres); • A portion of Prairie Canyon (long billed curlew, long eared owl, pronghorn antelope, white-tailed prairie dog, kit fox, and burrowing owl habitat) (16,500 acres); • A portion of Rapid Creek (wintering and migratory habitat for mule deer and elk) (26,900 acres); and • Winter Flats (deer and elk wintering grounds) (3,500 acres). <p>Special design, construction and implementation measures, including relocation of operations by more than 200 meters (656 feet), may be required. A plan of development may be required to demonstrate how potential adverse impacts to wildlife habitat will be mitigated.</p> <p>On the following lands: <LEGAL_DESCRIPTION></p> <p>PURPOSE: To protect lands identified in the Resource Management Plan as unique and important wildlife habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect the highest priority wildlife habitat for deer, elk, antelope, bighorn sheep, and sage-grouse. Wildlife emphasis areas were identified in coordination with CPW biologists.</p>				
All Surface-disturbing Activities					

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
Acres/Miles Affected						
CSU-24 (ROWA)	Deer and Elk Migration and Movement Corridors.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within migration and movement corridors for deer and elk.</p> <p>PURPOSE: To protect deer and elk migration and movement corridors.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to ensure connectivity between summer and winter ranges for deer and elk. Fragmentation is an increasing problem in deer and elk habitat and this stipulation would help to maintain existing corridors on BLM lands.</p>		•	•	
CSU-25	Wildlife Emphasis Areas.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within the following wildlife emphasis areas:</p> <p><u>Alternative C:</u></p> <ul style="list-style-type: none"> • A portion of East Salt Creek (habitat for mule deer and elk) (21,700 acres); • Hawxhurst (wintering and migratory habitat for bighorn sheep, mule deer, and elk) (9,400 acres); • Indian Point (habitat for pronghorn antelope and wintering habitat for mule deer and elk) (11,400 acres); • A portion of Prairie Canyon (long billed curlew, long eared owl, pronghorn antelope, white-tailed prairie dog, kit fox, and burrowing owl habitat) (12,500 acres); • A portion of Rapid Creek (wintering and migratory habitat for mule deer and elk) (26,900 acres); • Red Mountain (wintering and migratory habitat for mule deer and elk) (5,000 acres); and • South Shale Ridge (deer and elk wintering grounds) (3,500 acres). <p><u>Alternative D:</u></p> <ul style="list-style-type: none"> • Roan and Carr Creeks (33,400 acres). 			•	•
Alternative C: 90,400 acres						
Alternative D: 33,400 acres						
All Surface-disturbing Activities						

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<p>PURPOSE: To protect core wildlife areas, which are areas of the highest value/top-ranked wildlife habitat (by BLM and CPW) for multiple species.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect the highest priority wildlife habitat for deer, elk, antelope, bighorn sheep, and sage-grouse, Wildlife emphasis areas were identified in coordination with CPW biologists.</p>				
	Wild Horses				
CSU-2 (Exhibit GJ-2FA) (BLM 1987)	<p>STIPULATION: Special design and reclamation measures (for fluid minerals only) may be required to protect the outstanding scenic and natural landscape value of the following portion(s) of this lease: <LEGAL_DESCRIPTIONS></p>				
Scenic and Natural Values (Little Book Cliffs Wild Horse Area).	<p>Special design and reclamation measures may include transplanting trees and shrubs, fertilization, mulching, special erosion-control structures, irrigation, site recontouring to match the original contour, buried tanks and low-profile equipment, and painting to minimize visual contrasts. Surface-disturbing activities may be denied in sensitive areas, such as unique geologic features and rock formations, visually prominent areas, and high recreation use areas.</p>				
36,100 acres	<p>PURPOSE: To protect scenic and natural values in the Little Book Cliffs Wild Horse Area.</p>				
Fluid Minerals Only	<p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concerns(s) identified.</p>				

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
Acres/Miles Affected						
CSU-26		STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within the LBCWHR.				•
Little Book Cliffs Wild Horse Range.		PURPOSE: To protect wild horses in the LBCWHR.				
35,200 acres		EXCEPTION: Standard exceptions apply (Section B.2).				
All Surface-disturbing Activities		MODIFICATION: Standard modifications apply (Section B.2).				
		WAIVER: Standard waivers apply (Section B.2).				
		JUSTIFICATION: This stipulation is necessary to mitigate impacts that could interfere with the protection and management of wild horses in the LBCWHR.				
Cultural Resources						
CSU-27(ROWA)		STIPULATION: Apply CSU (site-specific relocation) restrictions to certain surface uses, as specified below, except archaeological documentation and excavation, within 100 meters (328 feet) around eligible or potentially eligible sites allocated to Scientific Use.	•	•	•	
Allocation to Scientific Use Category.		PURPOSE: To protect unique scientific information in sites that may be damaged from inadvertent or unauthorized uses.				
All Surface-disturbing Activities		EXCEPTION: Standard exceptions apply (Section B.2).				
		MODIFICATION: The BLM's Authorizing Officer may modify the site-protection boundary on a case-by-case basis, taking into account topographical barriers, the nature of the proposed action, and the nature of the cultural resource site and/or area.				
		WAIVER: Standard waivers apply (Section B.2).				
		JUSTIFICATION: This stipulation is necessary to address indirect or secondary impacts that can occur to cultural resources. Indirect and secondary impacts are typically not mitigated through data recovery by the proponent. Managing properties by addressing only direct impacts can lead to adverse effect and the loss of the resource. This stipulation allows the BLM to mitigate impacts that can cause significant degradation to the site integrity criteria that are applied in the				

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	designation of the cultural resource as eligible or potentially eligible for nomination to the NRHP (36 CFR part 800.5(a)(1)).				
CSU-28 (ROWA)	STIPULATION: Apply CSU (site-specific relocation) restrictions to certain surface uses, as specified below, within 100 meters (328 feet) around sites allocated to Public Use. In addition, consider factors such as integrity of setting, recreation opportunity, or visual impacts that projects may have on sites allocated to this use.	•	•	•	
Allocation to Public Use Category.	PURPOSE: To protect the values that contribute to sites allocated to Public Use.				
All Surface-disturbing Activities	EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: The BLM's Authorizing Officer may modify the site-protection boundary on a case-by-case basis, taking into account topographical barriers, the nature of the proposed action, and the nature of the cultural resource site and/or area. WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to protect sites allocated to Public Use, including those that may not meet the criteria for the NRHP but are important for heritage tourism as a visual resource of a rural landscape.				
CSU-29 (ROWA)	STIPULATION: Require sub-surface inventory for deep sub-surface-disturbing activities and buried ROW in the following locations and in additional areas where high potential for subsurface resources may be identified in the future:	•	•	•	
Sub-surface Inventory.	<u>Alternative B:</u>				
<i>Alternative B:</i> 53,500 acres	<ul style="list-style-type: none"> • Grand Mesa Slopes (16,000 acres); • Indian Creek (20,200 acres); and • Sunnyside (17,300 acres). 				
<i>Alternative C:</i> 68,400 acres	<u>Alternative C:</u>				
<i>Alternative D:</i> 51,600 acres	<ul style="list-style-type: none"> • Grand Mesa Slopes (24,400 acres); • Indian Creek (20,200 acres); and • Sunnyside (24,000 acres). 				
All Surface-disturbing					

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
Activities		<p><u>Alternative D:</u></p> <ul style="list-style-type: none"> • Grand Mesa Slopes (16,000 acres); • Indian Creek (20,200 acres); and • Sunnyside (15,400 acres). <p>PURPOSE: To protect cultural resources.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is needed to protect buried cultural resources within areas of high potential for sub-surface activities.</p>				
CSU-5 (ROWA) (BLM 1987)	Known Cultural Resource Values.	<p>STIPULATION: Important cultural resource values <RESOURCE_VALUE> are present on the following portions of this lease: <LEGAL_DESCRIPTIONS>. Surface-disturbing activities (for fluid minerals only) must avoid these areas.</p> <p>PURPOSE: To protect known cultural sites.</p>	•			
	Fluid Minerals Only	<p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, an exception could be granted if mitigation of impacts is agreed to by the Authorized Officer. Where impacts cannot be mitigated to the satisfaction of the Authorized Officer, surface occupancy and use on that area must be prohibited.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>				
Visual Resources						
CSU-30 (ROWA)	VRM Class II.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to fluid mineral leasing and other surface-disturbing activities within all areas designated as VRM Class II. Require that surface-disturbing activities meet the objectives of VRM Class II.</p>		•	•	•
	Alternative B: 392,400 acres	<p>PURPOSE: To protect visual resources.</p>				
	Alternative C: 556,600 acres	<p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, an exception could be granted for bond projects within scenic byways to ensure that visual and reclamation objectives</p>				

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
Alternative D: 194,800 acres All Surface-disturbing Activities		are achieved. Facility design should incorporate viewshed analysis and modeling to minimize impacts to visual resources. Special mitigation measures such as facility placement and color selection have been proposed to reduce impacts to visual resources. MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is needed to maintain the visual integrity within designated Class II VRM areas. A CSU will allow placement of facilities and disturbances outside of the critical view sheds.				
CSU-2 (BLM 1987) Scenic and Natural Landscape Values. 310,600 acres Fluid Minerals Only		<p>STIPULATION: Special design and reclamation measures (for fluid minerals only) may be required to protect the outstanding scenic and natural landscape values located on the following portions of this lease: <LEGAL_DESCRIPTION>.</p> <ul style="list-style-type: none"> • Bangs Benches (Exhibit GJ-2GJ) (32,000 acres); • The Book Cliffs (Exhibit GJ-2GC) (31,100 acres); • Established BLM Recreation Sites (Exhibit GJ-2GB and Exhibit GJ-2IB) (1,000 acres); • Grand Mesa Slopes (Exhibit GJ-2GI) (62,000 acres); • Granite Creek Benches (Exhibit GJ-2GL) (23,400 acres); • Gunnison River Corridor (Exhibit GJ-2GF) (1,200 acres); • Highway Corridors (Exhibit GJ-2GP) (69,400 acres); • Hunter/Garvey (Exhibit GJ-2GN) (24,700 acres); • Little Book Cliffs Wild Horse Area (Exhibit GJ-2FA) (33,000 acres); • Sinbad Valley (Exhibit GJ-2GK) (6,400 acres); • South Shale Ridge (Exhibit GJ-2GG) (24,400 acres); and • Unaweep Valley (Exhibit GJ-2GM) (2,000 acres). <p>Special design and reclamation measures may include transplanting trees and shrubs, fertilization, mulching, special erosion-control structures, irrigation, site recontouring to match the original contour, buried tanks and low-profile equipment, and painting to minimize visual contrasts. Surface-disturbing activities may be denied in sensitive areas, such as unique geologic features</p>	•			

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	and rock formations, visually prominent areas, and high recreation use areas. PURPOSE: To protect outstanding scenic and natural landscape values. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2).				
Recreation and Visitor Services					
CSU-2 (BLM 1987)	STIPULATION: Special design and reclamation measures (for fluid minerals only) may be required to protect the outstanding scenic and natural landscape value of the following portion(s) of this lease: <LEGAL_DESCRIPTIONS> <ul style="list-style-type: none"> • Bangs Benches (Exhibit GJ-2IJ) (42,900 acres); • Granite Creek Benches (Exhibit GJ-2IH) (23,400 acres); • Hunter/Garvey Benches (Exhibit GJ-2IG) (21,700 acres); and • Lower Gunnison River (Exhibit GJ-2IL) (1,200 acres). 	•			
Scenic and Natural Landscape Values (Recreation Resources).					
89,200 acres					
Fluid Minerals Only	Special design and reclamation measures may include transplanting trees and shrubs, fertilization, mulching, special erosion-control structures, irrigation, site recontouring to match the original contour, buried tanks and low-profile equipment, and painting to minimize visual contrasts. Surface-disturbing activities may be denied in sensitive areas, such as unique geologic features and rock formations, visually prominent areas, and high recreation use areas. PURPOSE: To protect recreation resources. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concerns(s) identified.				

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
CSU-31 (ROWA)						
Recreation.						
All Surface-disturbing Activities		<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface occupancy and use and surface-disturbing activities to minimize conflicts with developed (and future) recreation sites and to mapped (and future) national/regional trails, local system trails that connect communities, and trailheads and interpretive sites with exceptional recreation values or significant public interest.</p> <p>Apply this stipulation to the following sites that lie outside of designated RMAs:</p> <ul style="list-style-type: none"> • Low Gap Recreation Site; • North Soda Recreation Site; • Miracle Rock Recreation Site; • Mud Springs Campground; and • West Creek Picnic Site. <p>PURPOSE: To minimize conflicts with developed (and future) recreation sites and to mapped (and future) national/regional trails, local system trails that connect communities, and trailheads and interpretive sites with exceptional recreation values or significant public interest.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to assure significant public investment and desired recreation opportunities are protected from surface-disturbing occupancy.</p>		•	•	•
CSU-32						
Recreation Management Areas.						
Alternative B: 227,100 acres		<p>STIPULATION: Apply CSU (site-specific relocation) restrictions in the following RMAs:</p> <p><u>Alternatives B:</u></p> <ul style="list-style-type: none"> • Grand Valley OHV SRMA (9,700 acres) • Barrel Spring ERMA (24,700 acres) • Gateway ERMA (78,100 acres) • Grand Valley Shooting Ranges ERMA (750 acres) • Gunnison River Bluffs ERMA (800 acres) 		•	•	•
Alternative C: 42,700 acres						

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Alternative D: 58,100 acres	<ul style="list-style-type: none"> Horse Mountain ERMA (5,100 acres) North Desert ERMA (107,900 acres) 				
All Surface-disturbing Activities	<u>Alternative C</u>				
	<ul style="list-style-type: none"> North Fruita Desert (42,700 acres) 				
	<u>Alternative D:</u>				
	<ul style="list-style-type: none"> Castle Rock (4,400 acres) Grand Valley OHV (9,600 acres) North Fruita Desert (44,100 acres) 				
	<p>PURPOSE: To protect recreation outcomes and setting prescriptions.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect areas important to recreation users which may also include large facility investments. Protection of RMZs is necessary to meet desired recreation outcomes.</p>				
Lands and Realty					
DISPOSAL CSU CO	STIPULATION: Surface occupancy or use may be restricted due to lands identified for disposal in the Resource Management Plan.				
All Surface-disturbing Activities	Special design, construction, and implementation measures, including relocation of operations by more than 200 meters (656 feet), may be required.				
	PURPOSE: To preserve the value of disposal tracts and/or protect facilities or uses for which these tracts of land were identified for disposal.				
	EXCEPTION: Standard exceptions apply (Section B.2).				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: Standard waivers apply (Section B.2).				

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	JUSTIFICATION: This stipulation is necessary to preserve the value of disposal tracts and/or protect facilities or uses for which these tracts of land were identified for disposal.				
CSU-33 (CSU CO-25)	STIPULATION: Special design, construction, and implementation measures, including relocation of operations by more than 200 meters (656 feet) may be required on disposal tracts.				•
Disposal Tracts.	PURPOSE: To preserve the value of disposal tracts and/or protect facilities or uses for which these tracts of land were identified for disposal.				
All Surface-disturbing Activities	EXCEPTION: Standard exceptions apply (Section B.2). In addition, underground facilities may be excepted.				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation is necessary to preserve the value of disposal tracts and/or protect facilities or uses for which these tracts of land were identified for disposal.				
	Coal				
COAL MINE	STIPULATION: Surface occupancy or use (for fluid minerals only) may be restricted due to surface or underground coal mines. Special design, construction and implementation measures, including relocation of operations by more than 200 meters (656 feet), may be required. Operations proposed within the area of an approved surface or underground coal mine will be relocated outside the area to be mined or to accommodate room and pillar mining operations.				•
CSU CO					
9,000 acres					
Fluid Minerals Only	PURPOSE: To protect surface or underground coal mines.				
	EXCEPTION: Standard exceptions apply (Section B.2).				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation is necessary to allow underground coal operations within oil and gas leases while reducing safety concerns.				

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
CSU-34 (CSU CO-25) Federally Leased Coal. 9,000 acres Fluid Minerals Only	<p>STIPULATION: Where applicable, apply CSU (site-specific relocation) restrictions to oil and gas operations within the area of federally leased coal. Relocate oil and gas operations outside the area to be mined or locate to accommodate room and pillar mining operations.</p> <p>PURPOSE: To protect federally leased coal lands.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to allow underground coal operations within oil and gas leases while reducing safety concerns.</p>			•	•
CSU-39 Roan and Carr Creeks ACEC. 33,600 acres All Surface-disturbing Activities	<p>STIPULATION: Special design, construction, and implementation measures, including relocation of operations by more than 200 meters (656 feet), may be required in the Roan and Carr Creeks ACEC (33,600 acres).</p> <p>PURPOSE: To protect and prevent irreparable damage to unique riparian habitats, genetically pure populations of cutthroat trout, and Greater Sage-Grouse habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>		•		
CSU-35 (ROWA) WSR Study Segments Classified as Scenic and Recreational. 22,980 acres	<p>Wild and Scenic Rivers</p> <p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 0.25-mile on either side of the active river channel (bank-full stage).</p> <ul style="list-style-type: none"> • Colorado River Segment 1 (2,200 acres); • Colorado River Segment 2 (120 acres); • Dolores River (5,900 acres); • North Fork Mesa Creek (700 acres); • Blue Creek (2,900 acres); • Gunnison River Segment 2 (970 acres); 			•	

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
All Surface-disturbing Activities		<ul style="list-style-type: none"> • Roan Creek (2,000 acres); • Carr Creek (1,800 acres); • Rough Canyon Creek (1,200 acres); • East Creek (1,900 acres); • West Creek (1,700 acres); and • Ute Creek (1,400 acres). <p>PURPOSE: To protect the outstandingly remarkable values for which the stream segments were found suitable.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect ORVs associated with VSR segments, and allow BLM to place disturbances 402 meters (0.25-mile) away from the identified segment.</p>				
CSU-36	Old Spanish National Historic Trail.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to fluid mineral leasing and other surface-disturbing activities within 805 meters (0.5-mile) of either side of the Old Spanish National Historic Trail.</p> <p>PURPOSE: To protect visual resources associated with the trail.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect to protect visual resources along this congressionally designated historic trail.</p>			•	
CSU-37	Scenic Byways (0.5-mile).	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to fluid mineral leasing and other surface-disturbing activities within 805 meters (0.5-mile) of either side of centerline of the following scenic byways:</p>			•	•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
32,500 acres		<ul style="list-style-type: none"> Dinosaur Diamond Prehistoric Highway (National Scenic Byway and All American Road) (14,300 acres); Grand Mesa Scenic and Historic Byway (1,200 acres); and Unaweep-Tabeguache Scenic and Historic Byway (17,000 acres). 				
All Surface-disturbing Activities		<p>PURPOSE: To protect the quality of the scenic (visual) values of scenic, historic, or backcountry byways.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, an exception could be granted if: (a) a viewshed analysis indicates minimal impairment of the visual resources from the driving corridor; or (b) the action is determined to be consistent and compatible with protection or enhancement of the resource values, or the use would provide suitable opportunities for public enjoyment of these resources. An exception could also be granted for bond projects within scenic byways to ensure that visual and reclamation objectives are achieved. Facility design should incorporate viewshed analysis and modeling to minimize impacts to visual resources. Special mitigation measures such as facility placement and color selection have been proposed to reduce impacts to visual resources.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to place surface-disturbing activities along scenic byways in areas that do not affect values associated with the identified scenic byway.</p>				
CSU-38		<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to fluid mineral leasing and other surface-disturbing activities within 402 meters (0.25-mile) of the following scenic byways:</p> <ul style="list-style-type: none"> Lands' End (540 acres); John Brown Canyon (1,800 acres); Dinosaur Diamond Prehistoric Highway (National Scenic Byway and All American Road) (7,000 acres); Grand Mesa Scenic and Historic Byway (860 acres); Unaweep-Tabeguache Scenic and Historic Byway (7,700 acres); 				•
Scenic Byways (0.25-mile).						
29,500 acres						
All Surface-disturbing Activities						

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected	<ul style="list-style-type: none"> • Niche to Blue Mesa (3,800 acres); and • Winter Flats Road (7,800 acres). <p>PURPOSE: To protect scenic views in driving corridors.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, an exception could be granted if: (a) a viewshed analysis indicates minimal impairment of the visual resources from the driving corridor; or (b) the action is determined to be consistent and compatible with protection or enhancement of the resource values, or the use would provide suitable opportunities for public enjoyment of these resources. An exception could also be granted for bond projects within scenic byways to ensure that visual and reclamation objectives are achieved. Facility design should incorporate viewshed analysis and modeling to minimize impacts to visual resources. Special mitigation measures such as facility placement and color selection have been proposed to reduce impacts to visual resources.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to ensure surface-disturbing activities do not affect values associated with the identified scenic byway.</p>				

¹Existing stipulations currently in effect in Alternative A, current management, are noted in *italics* and are from the current RMP (BLM 1987).

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource	Acres/Miles Affected				
Special Status Species					
TL-1 (ROWA) Salmonid and Native Non-salmonid Fishes (brown, brook, rainbow, and cutthroat trout; bluehead and flannelmouth sucker; roundtail chub; mountain whitefish; Paiute and mottled sculpin; and speckled dace). All Surface-disturbing Activities	<p>STIPULATION: Prohibit in-channel stream work in all occupied streams during fish spawning, egg incubation, and fry emerging seasons. Fish spawning, egg incubation, and fry emerging seasons vary by elevation and temperatures; however, the following intervals generally apply in Colorado:</p> <ul style="list-style-type: none"> • Cutthroat trout (various subspecies): May 1-September 1 • Rainbow trout: March 1-June 15 • Brown trout: October 1-May 1 • Brook trout: August 15-May 1 • Sculpin: May 1-July 31 • Bluehead sucker: May 1-July 15 • Flannelmouth sucker: April 1-July 1 • Roundtail chub: May 15-July 15 • Speckled dace: May 1-August 31 • Mountain whitefish: October 1-November 30 <p>PURPOSE: To protect redds (egg masses) in the gravel and emerging fry of native fish populations.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, this stipulation only applies to construction and drilling and does not apply to operations and maintenance. If competing species are involved, the BLM may select to implement species-specific dates for native fish versus nonnative species.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect important native and game fish breeding.</p>		•	•	
TL-2 (ROWA) Occupied Cutthroat Trout Waters. All Surface-disturbing Activities	<p>STIPULATION: Prohibit in-channel work in all occupied cutthroat trout streams during spring spawning periods of April 1 to August 1.</p> <p>PURPOSE: To protect redds (egg masses) in the gravel and emerging fry.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p>				•

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect important native fish species, including a USFWS-listed species.</p>				
TL-3 (ROWA) Migratory Bird Habitat. All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities, including vegetation-removal projects, in migratory bird habitat during nesting season when nesting birds are present.</p> <p><u>Alternative B:</u> May 15 to July 15 or as site-specific analysis dictates.</p> <p><u>Alternative C:</u> April 15 to July 31 or as site-specific analysis dictates.</p> <p>PURPOSE: To minimize disruption of migratory bird nesting activity.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, this stipulation only applies to construction and drilling, and does not apply to operations and maintenance. The TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect migratory bird habitat and ensure compliance with the Migratory Bird Treaty Act (Information Bulletin No. 2010-110); BLM Memorandum of Understanding with US Fish and Wildlife Service).</p>	•	•		
TL-4 (ROWA) Birds of Conservation Concern's Habitat.	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities, including vegetation-altering projects, in birds of conservation concern's habitat (USFWS 2008) during nesting season (May 15 to July 15 or as site-specific analysis dictates) when nesting birds are present.</p>				•

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
All Surface-disturbing Activities		<p>PURPOSE: To protect nesting osprey from human disturbance that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect osprey nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008) and ensure compliance with the Migratory Bird Treaty Act (Information Bulletin No. 2010-110); BLM Memorandum of Understanding with US Fish and Wildlife Service).</p>				
WILDLIFE RAPTOR NESTS TL CO	All Surface-disturbing Activities	<p>STIPULATION: No surface use is allowed within a 402 meter (0.25-mile) radius of active raptor nests, as mapped in the Resource Management Plan, BLM's GIS database or other maps provided by local, state, federal or tribal agencies that are analyzed and accepted by the BLM, during the following time period(s), or until fledging and dispersal of young:</p> <ul style="list-style-type: none"> • Osprey nests: April 1 to August 31. • Red-tailed hawk nests, including any alternate nests: February 15 to July 15. • Swainson's hawk nests and associated alternate nests: April 1 to July 15. • Burrows or burrowing owl nest sites: March 1 to August 15. • Great horned owl nests: February 1 to August 15. • Other owls and raptors: March 1 to August 15. • Cooper's hawk, sharp shinned hawk, and northern harrier nests: April 1 to August 15. <p>On the following lands: <LEGAL_DESCRIPTION></p> <p>PURPOSE: To prevent disruption of reproductive activity of raptors during the production period.</p>				•

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>EXCEPTION: Standard exceptions apply (Section B.2). This stipulation only applies to construction and drilling, and does not apply to operations and maintenance.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				
WILDLIFE SENSITIVE RAPTOR NESTS TL CO All Surface-disturbing Activities	<p>STIPULATION: No surface use is allowed within an 805 meter (0.5-mile) radius of active or inactive raptor nests, as mapped in the Resource Management Plan, BLM's GIS database or other maps provided by local, state, federal or tribal agencies that are analyzed and accepted by the BLM, during the following time period(s), or until fledging and dispersal of young:</p> <ul style="list-style-type: none"> Ferruginous hawk nests, including any alternate nests: February 1 to July 15. Goshawk nest sites: March 1 to September 30. Peregrine and prairie falcon nest cliff(s): March 15 to July 31. <p>On the following lands: <LEGAL_DESCRIPTION></p> <p>PURPOSE: To prevent disruption of reproductive activity of raptors during the production period.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). This stipulation only applies to construction and drilling, and does not apply to operations and maintenance.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect ferruginous hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
TL-5 (ROWA) Osprey Nests. All Surface-disturbing Activities		<p>STIPULATION: Prohibit surface occupancy and use, surface disturbing activities, and intensive human activities that may affect nesting success within 402 meters (0.25-mile) of active osprey nests from April 1 to August 31.</p> <p>PURPOSE: To protect nesting osprey from human disturbance that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect osprey nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>			•	•
TL-6 (ROWA) Ferruginous Hawk Nests. All Surface-disturbing Activities		<p>STIPULATION: Prohibit surface occupancy and use, surface disturbing activities, and intensive human activities that may affect nesting success within 402 meters (0.25-mile) (Alternatives C and D) of active ferruginous hawk nests, including any alternate nests, from February 1 to July 15.</p> <p>PURPOSE: To protect ferruginous hawks from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect ferruginous hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>			•	•

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected TL-7 (ROWA) Red-tailed Hawk Nests. All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use, surface disturbing activities, and intensive human activities that may affect nesting success within 531 meters (0.33-mile) of active red-tailed hawk nests, including any alternate nests, from February 15 to July 15.</p> <p>PURPOSE: To protect nesting red-tailed hawks from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect red-tailed hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>			•	•
TL-8 (ROWA) Swainson's Hawk Nest Sites. All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use, surface disturbing activities, and intensive human activities that may affect nesting success within 402 meters (0.25-mile) of active Swainson's hawk nests and associated alternate nests from April 1 to July 15.</p> <p>PURPOSE: To protect nesting Swainson's hawks from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect Swainson's hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>			•	•

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected TL-14 (ROWA) (Exhibit GJ-14EB) (BLM 1987) Threatened and Endangered Seasonal Habitat (Peregrine Falcon Habitat). Fluid Minerals Only	STIPULATION: In order to protect important seasonal habitat of threatened or endangered animal species, any lease operations (fluid minerals only) which may affect these species will be allowed only during the following period: Occupancy is allowed <BEGIN_DATE> to <END_DATE> on the lands described below: <LEGAL_DESCRIPTIONS>. PURPOSE: To protect bald eagle habitat. EXCEPTION: Exceptions to this limitation in any particular year may be specifically approved in writing by the Authorized Officer. MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2).	•			
TL-9 (ROWA) Peregrine and Prairie Falcon Nest Sites. All Surface-disturbing Activities	STIPULATION: Prohibit surface occupancy and use, surface disturbing activities, and intensive human activities that may affect nesting success within 805 meters (0.5-mile) of active peregrine and prairie falcon nest cliff(s) from March 15 to July 31. PURPOSE: To protect nesting peregrine and prairie falcons from human impacts that could affect nest success. EXCEPTION: Standard exceptions apply (Section B.2). In addition, the TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site. MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to protect peregrine and prairie falcon nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).		•		•
TL-10 (ROWA) Goshawk Nest Sites.	STIPULATION: Prohibit surface occupancy and use, surface-disturbing activities, and intensive human activities that may affect nesting success within 805 meters (0.5-mile) of active goshawk nest sites from March 1 to September 30.			•	•

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
All Surface-disturbing Activities		<p>PURPOSE: To protect nesting goshawks from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect goshawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				
TL-11 (ROWA)						
Burrowing Owl Burrows and Nest Sites.		<p>STIPULATION: Prohibit surface occupancy and use, surface disturbing activities, and intensive human activities that may affect nesting success within 402 meters (0.25-mile) of active burrows or burrowing owl nest sites from March 1 to August 15.</p>			•	•
All Surface-disturbing Activities		<p>PURPOSE: To protect nesting burrowing owls from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect nesting burrowing owls.</p>				
TL-12 (ROWA)					•	•
Other Raptor Species (accipiters, falcons [except kestrel], buteos, and owls).		<p>STIPULATION: Prohibit surface occupancy and use, surface disturbing activities, and intensive human activities that may affect nesting success within 402 meters (0.25-mile) of active nests from February 1 to August 15 (great horned owl), March 1 to August 15 (other owls and raptors), and April 1 to August 15 (Cooper's hawk, sharp shinned hawk, and northern harrier).</p> <p>PURPOSE: To protect reproductive activity at active nest sites.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p>				

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
All Surface-disturbing Activities	<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect raptor species per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				
TL-13 (ROWA)	<p>STIPULATION: Prohibit human encroachment within an 805-meter (0.5-mile [Alternative B]) or 402-meter (0.25-mile [Alternatives C and D]) radius of active golden eagle nests and associated alternate nests, as mapped in the RMP, BLM's GIS database, or other maps provided by local, state, federal, or tribal agencies that are analyzed and accepted by the BLM, during the following time period, or until fledging and dispersal of young: December 15 to July 15.</p> <p>PURPOSE: To prevent disruption of reproductive activity of golden eagles.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect golden eagle nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>	•	•	•	
Golden Eagle Nest Sites.					
All Surface-disturbing Activities					
TL-14 (ROWA) (Exhibit GJ-14EA) (BLM 1987)		•			
Threatened and Endangered Seasonal Habitat (Bald Eagle Habitat).	<p>STIPULATION: In order to protect important seasonal habitat of threatened or endangered animal species, any lease operations (fluid minerals only) which may affect these species will be allowed only during the following period: Occupancy is allowed <BEGIN_DATE> to <END_DATE> on the lands described below: <LEGAL_DESCRIPTIONS>.</p> <p>PURPOSE: To protect bald eagle habitat.</p> <p>EXCEPTION: Exceptions to this limitation in any particular year may be specifically approved in writing by the Authorized Officer.</p>				

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
Acres/Miles Affected						
Fluid Minerals Only		MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2).				
TL-14 (ROWA)	Bald Eagle Nest Sites.	STIPULATION: Prohibit human encroachment within an 805-meter (0.5-mile) radius of active bald eagle nests from November 15 to July 31. PURPOSE: To prevent disruption of reproductive activity of bald eagles. EXCEPTION: Standard exceptions apply (Section B.2). In addition, this stipulation only applies to construction and drilling, and does not apply to operations and maintenance. The TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site. MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to protect bald eagle nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).		•	•	•
TL-15 (ROWA)	Bald Eagle Winter Roost.	STIPULATION: Prohibit activity within 402 meters (0.25-mile) of bald eagle winter roosts from November 15 to March 15. Additional restrictions may be necessary within 805 meters (0.5-mile) of active bald eagle winter roosts if there is a direct line of sight from the roost to the activities. PURPOSE: To protect bald eagles from human impacts that could affect winter survival. EXCEPTION: Standard exceptions apply (Section B.2). In addition, the TL area may be altered depending on the status of the roost site or the geographical relationship of topographic barriers and vegetation screening to the roost site. MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2).		•	•	•
All Surface-disturbing Activities						

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	JUSTIFICATION: This stipulation is necessary to protect bald eagle winter roosts per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).				
TL-16 (ROWA)	STIPULATION: Prohibit surface occupancy and use, surface-disturbing activities, and intensive human activities in occupied sage-grouse winter habitat from December 1 to March 15. PURPOSE: To protect sage-grouse (Gunnison and greater) from human impacts that could affect winter survival. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to protect sage-grouse from disturbance in a time of year when the added stress from disturbance can lead to death.		•	•	
Occupied Sage-grouse Winter Habitat.					
All Surface-disturbing Activities					
TL-17 (ROWA)	STIPULATION: Prohibit surface occupancy and use, surface-disturbing activities, and intensive human activities within 6.4 kilometers (4 miles) of sage-grouse leks from March 1 to June 30. PURPOSE: To protect breeding and nesting sage-grouse (Gunnison and greater) from human impacts that could affect nest success. EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending upon the active status of the lek or the geographical relationship of topographical barriers and vegetation to the lek site. MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to protect breeding and nesting sage-grouse per current research recommendations (Parachute-Piceance-Roan Greater Sage-grouse Work Group 2008).		•		
Sage-grouse Leks (4 miles).					
All Surface-disturbing Activities					

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
TL-18 (ROWA) Sage-grouse Leks, Nesting, and Early Brood-rearing Habitat (0.6-mile). All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use, surface-disturbing activities, and intensive human activities from March 1 to June 30 within 966 meters (0.6-mile) of the lek or within sage-grouse nesting and early brood-rearing habitat.</p> <p>PURPOSE: To protect breeding and nesting sage-grouse (Gunnison and greater) from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect Greater and Gunnison Sage-Grouse breeding habitat.</p>				•
TL-19 (ROWA) Occupied Prairie Dog Towns. All Surface-disturbing Activities	<p>STIPULATION: Prohibit surface occupancy and use and surface-disturbing activities within active white-tailed prairie dog towns from April 1 to July 15.</p> <p>PURPOSE: To avoid impacts to white-tailed prairie dogs during the pupping season.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect prairie dogs during the breeding season to allow for distribution of young.</p>		•		•
Fish and Wildlife					
TL-1 (ROWA) Sport and Native Fish (brown, brook, rainbow, and cutthroat trout;	<p>STIPULATION: Prohibit in-channel stream work in all occupied streams during appropriate spring and fall spawning periods.</p> <p><u>Alternative B:</u> Rainbow and cutthroat trout, bluehead and flannelmouth sucker, roundtail chub, and Paiute and mottled sculpin (April 1 to August 1); brown and brook trout (October 1 to November 30).</p>		•	•	

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
bluehead and flannelmouth sucker; roundtail chub; mountain whitefish; Paiute and mottled sculpin; and speckled dace). All Surface-disturbing Activities	<p><u>Alternative C:</u> Cutthroat trout (May 1-September 1), Rainbow trout (March 1-June 30), Brown trout (October 1-May 1), Brook trout (August 1-May 1), Sculpin (May 1-July 31), Bluehead sucker (May 1-July 31), Flannelmouth sucker (April 1-July 1), Roundtail chub (May 1-July 31), Speckled dace (May 1-August 31), Mountain whitefish (October 1-November 30).</p> <p>PURPOSE: To protect redds (egg masses) in the gravel and emerging fry.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect important native and game fish breeding.</p>				
TL-2 (ROWA) Occupied Cutthroat Trout Waters. All Surface-disturbing Activities	<p>STIPULATION: Prohibit in-channel work in all occupied cutthroat trout streams during spring spawning periods of April 1 to August 1.</p> <p>PURPOSE: To protect redds (egg masses) in the gravel and emerging fry.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect important native fish species, including a USFWS-listed species.</p>				•
TL-12 (ROWA) (BLM 1987) Deer and Elk Winter Range. 262,800 acres Fluid Minerals Only	<p>STIPULATION: Lease activities such as exploration, drilling, and other development (for fluid minerals only) will be allowed only during the period from May 1 to December 1 on the following portions of this lease: <LEGAL_DESCRIPTION>.</p> <p>PURPOSE: To protect important seasonal wildlife habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, this limitation does not apply to maintenance and operation of producing wells and range management.</p>	•			

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concerns(s) identified.</p>					
TL-20 (ROWA)	STIPULATION: Prohibit surface occupancy and use, surface-disturbing activities, and intensive human activities from December 1 to May 1 to protect big game winter range as mapped by the CPW. Certain areas and/or routes within big game winter range may be closed to foot, horse, motorized, and/or mechanized travel from December 1 to May 1.		•	•	•
Big Game Winter Range.					
474,500 acres					
All Surface-disturbing Activities	<p>PURPOSE: To reduce disruption of big game during the winter season.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, this limitation does not apply to essential maintenance and operation of facilities (e.g., producing wells) and range administration. An exception will be granted only when the proposed action would not cause unacceptable harm to big game based on the following factors:</p> <ol style="list-style-type: none"> 1. Winter conditions (such as snow cover and crusting) at the project site and vicinity; 2. Predictable, short-term (1 week) storm forecasts for the project area; 3. Period of winter in which the exception is requested (e.g., after April 15, before December 15, or the heart of winter); 4. Project site location relative to the size and spatial configuration of delineated critical winter range, open roads and trails, and other background disturbance; 5. Length of time that activities would encroach on the period of the winter range stipulation; 6. Number of vehicle trips per day in and out of the work site; 7. Time of day that activity occurs (after dark generally prohibited); 8. Actual big game use of the area; 				

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<p>9. Cumulative impacts on big game (such as other activities in the area); and</p> <p>10. Additional site-specific or general concerns, as appropriate.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect big game winter habitat from surface-disturbing and major human activities during the periods of the year when the habitat is occupied. This habitat is critical to the viability of big game herds. These areas will be managed by BLM to reflect CPW most current big game winter range maps.</p>				
<p>TL-9 (ROWA) (BLM 1987)</p> <p>Bighorn Seasonal Stipulation.</p> <p>Fluid Minerals Only</p>	<p>STIPULATION: Lease activities such as exploration, drilling, and other development (for fluid minerals only) will be allowed only during the period from May 1 to December 1 on the following portions of this lease: <LEGAL_DESCRIPTION>.</p> <p>PURPOSE: To protect important seasonal bighorn habitat.</p> <p>EXCEPTION: This limitation does not apply to maintenance and operation of producing wells and range management.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified.</p>	•			
<p>TL-4 (ROWA) (BLM 1987)</p> <p>Elk Calving Area.</p> <p>3,400 acres</p> <p>Fluid Minerals Only</p>	<p>STIPULATION: Lease activities such as exploration, drilling, and other development (for fluid minerals only) will be allowed only during the period from June 15 to May 15 on the following portions of this lease.</p> <p>PURPOSE: To protect important seasonal elk calving habitat.</p> <p>EXCEPTION: This limitation does not apply to maintenance and operation of producing wells and range management. In addition, no surface-disturbing activity will be allowed on elk calving sites.</p>	•			

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
Acres/Miles Affected						
		MODIFICATION: Standard modifications apply (Section B.2).				
		WAIVER: Standard waivers apply (Section B.2).				
BIG GAME PRODUCTION TL CO		STIPULATION: No surface use is allowed during the following time period(s) in big game production areas, as mapped in the Resource Management Plan, BLM's GIS database or other maps provided by local, state, federal or tribal agencies that are analyzed and accepted by the BLM:				•
<i>All Surface-disturbing Activities</i>		Prohibit activities, including motorized travel, in elk production areas from May 15 to June 15; in antelope production areas from April 15 to June 30; in Rocky Mountain bighorn sheep production areas from April 15 to June 30; in Moose production areas from April 15 to June 30; and in desert bighorn sheep production areas from February 1 to May 1.				
		On the following lands:				
		<LEGAL_DESCRIPTION>				
		PURPOSE: To reduce disruption of big game during parturition and young rearing period.				
		EXCEPTION: Standard exceptions apply (Section B.2). This stipulation only applies to construction and drilling, and does not apply to operations and maintenance.				
		MODIFICATION: Standard modifications apply (Section B.2).				
		WAIVER: Standard waivers apply (Section B.2).				
		JUSTIFICATION: This stipulation provides for protection of big game production areas from disturbance and displacement by human activities during critical periods.				
TL-21 (ROWA)		STIPULATION: Prohibit activities, including motorized travel,				•
Big Game Production Areas.		in elk production areas from May 15 to June 15; in antelope production areas from April 15 to June 30; in Rocky Mountain bighorn sheep production areas from April 15 to June 30; in Moose production areas from April 15 to June 30; and in desert bighorn sheep production areas from February 1 to May 1.				
13,100 acres						
<i>All Surface-disturbing Activities</i>		PURPOSE: To protect important seasonal big game production habitat, and protect big game from disturbance in this critical season.				

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, this limitation does not apply to essential maintenance and operation of facilities (e.g., producing wells) and range administration (Section B.1).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation provides for protection of big game production areas from disturbance and displacement by human activities during critical periods.</p>				
TL-22 (ROWA)	<p>STIPULATION: Prohibit surface occupancy and use, surface-disturbing activities, and intensive human activities in pronghorn wintering habitat from January 1 to March 31.</p> <p>PURPOSE: To improve pronghorn antelope habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, this limitation does not apply to essential maintenance and operation of facilities (e.g., producing wells) and range administration (Section B.1).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect pronghorn winter habitat from surface-disturbing and major human activities during the periods of the year when the habitat is occupied. This habitat is critical to the viability of pronghorn herds. These areas will be managed by BLM to reflect CPW most current pronghorn winter range maps.</p>				
Pronghorn Wintering Habitat.			•	•	•
23,500 acres					
All Surface-disturbing Activities					
Wild Horses					
TL-10 (ROWA) (BLM 1987)	<p>STIPULATION: Lease activities such as exploration, drilling, and other development (for fluid minerals only) will be allowed only during the period from May 1 to December 1 on the following portions of this lease: <LEGAL_DESCRIPTION>.</p> <p>PURPOSE: To protect important wild horse habitat.</p> <p>EXCEPTION: This limitation does not apply to maintenance and operation of producing wells and range management.</p>				
Wild Horse Winter Range.		•			
Fluid Minerals Only					

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	MODIFICATION: Standard modifications apply (Section B.2). WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concerns(s) identified.				
<i>TL-11 (ROWA)</i> <i>(BLM 1987)</i> TL-23 Wild Horse Foaling Area. Alternative A: Fluid Minerals Only Alternative D: All Surface-disturbing Activities	STIPULATION: Lease activities such as exploration, drilling, and other development will be allowed only during the period from July 1 to March 1 on the following portions of this lease: <LEGAL_DESCRIPTION>. PURPOSE: To protect important seasonal wild horse habitat. EXCEPTION: This limitation does not apply to maintenance and operation of producing wells and range management. MODIFICATION: Standard modifications apply (Section B.2). WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concerns(s) identified.	•			•

¹Existing stipulations currently in effect in Alternative A, current management, are noted in italics and are from the current RMP (BLM 1987).

Table B-8
Lease Notices (LN) and Additional Required Conditions of Approval
Applicable to Authorized Ground-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
Air Resources					
CO-56 Air Resources.	<p>Due to potential air quality concerns, supplementary air quality analysis may be required for any proposed development of this lease. This may include preparing a comprehensive emissions inventory, performing air quality modeling, and initiating interagency consultation with affected land managers and air quality regulators to determine potential mitigation options for any predicted significant impacts from the proposed development. Potential mitigation may include limiting the time, place, and pace of any proposed development, as well as providing for the best air quality control technology and/or management practices necessary to achieve area-wide air resource protection objectives. Mitigation measures would be analyzed through the appropriate level of NEPA analysis to determine effectiveness, and will be required or implemented as a permit condition of approval (COA). At a minimum, all projects and permitted uses implemented under this lease will comply with all applicable National Ambient Air Quality Standards and ensure Air Quality Related Values are protected in nearby Class I or Sensitive Class II areas that are afforded additional air quality protection under the Clean Air Act (CAA).</p> <p>On the lands described below: <LEGAL_DESCRIPTION></p>		•		
Water Resources					
LN-17 Palisade Municipal Watershed.	<p>This lease contains privately owned surface of the Town of Palisade that is within the Town's designated municipal watershed and is covered by a Watershed Protection Ordinance. This applies to the lands described below: <LEGAL_DESCRIPTIONS>.</p>		•		
LN-1 Source Water Protection Areas.	<p>The lease is within source water protection areas, and the lessee is required to implement special protective measures for water resources and to collaborate with municipalities and comply with applicable municipal watershed plans.</p> <p>JUSTIFICATION: This lease notification is necessary because leases within source water protection areas require extensive</p>		•		

Table B-8
Lease Notices (LN) and Additional Required Conditions of Approval
Applicable to Authorized Ground-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	protection measures to ensure protection of water quality and human health.				
LN-2	The lease is within a municipal watershed or source water protection area, and the lessee is required to implement special protective measures for water resources and to collaborate with municipalities and comply with applicable municipal watershed plans.				•
Municipal Watersheds and Source Water Protection Areas.	JUSTIFICATION: This lease notification is necessary because leases within municipal watersheds and source water protection areas require extensive protection measures to ensure protection of water quality and human health.				
Special Status Species					
LN-13 (BLM 1987)	The lessee/operator is required to submit to the BLM's Authorized Officer a plan for avoidance or mitigation of impacts on the identified species. This may require completion of an intensive inventory by a qualified biologist. The plan must be approved prior to any surface disturbance. The Authorized Officer may require additional mitigation measures, such as relocation of proposed roads, drilling sites, or other facilities. Where impacts cannot be mitigated to the satisfaction of the BLM's Authorized Officer, surface occupancy and use on that area is prohibited.	•			
Threatened and Endangered Species Habitat.	<ul style="list-style-type: none"> • Black-footed ferret (<i>Exhibit Gj-13EC</i>); • Spineless hedgehog cactus (<i>Exhibit Gj-13ED</i>); and • Colorado hookless cactus (formerly Uinta Basin hookless cactus) (<i>Exhibit Gj-13EE</i>). 				
LN-3	The operator is required to conduct a biological inventory prior to approval of operations in areas of known or suspected habitat of special status species, or habitat of other species of interest such as but not limited to raptor nests, sage-grouse leks, or significant natural plant communities. The operator, in coordination with the BLM, shall use the inventory to prepare mitigating measures to reduce the impacts on affected species or their habitats. These mitigating measures may include, but are not limited to, relocation of roads and other facilities and fencing operations or habitat. Where impacts cannot be		•	•	•
Biological Inventories.					

Table B-8
Lease Notices (LN) and Additional Required Conditions of Approval
Applicable to Authorized Ground-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	mitigated to the satisfaction of the BLM's Authorized Officer, surface occupancy and use on that area is prohibited. JUSTIFICATION: This lease notice is necessary to identify current plant and animal populations in order to reduce or avoid impacts to those species.				
LN-4	Alternative B: <i>Threatened and Endangered Species</i>	•	•	•	•
Threatened and Endangered Species (Alternative B) / Colorado Hookless Cactus (Alternatives C and D)	<p>This lease contains habitat for threatened and endangered species. Prior to undertaking any activity on the lease, including surveying and staking of well locations, the lessee may be required to perform botanical inventories on the lease. Special design and construction measures may also be required in order to minimize impacts to threatened and endangered species habitat from drilling and producing operations. This applies to the lands described below: <LEGAL_DESCRIPTIONS>.</p> <p>Alternatives C and D: <i>Colorado Hookless Cactus</i></p> <p>This lease contains habitat for the Colorado hookless cactus (<i>Sclerocactus glaucus</i>). Prior to undertaking any activity on the lease, including surveying and staking of well locations, the lessee may be required to perform botanical inventories on the lease. Special design and construction measures may also be required in order to minimize impacts to Colorado hookless cactus habitat from drilling and producing operations.</p> <p>EXCEPTION: An exception may be granted depending on current usage of the site or on the geographical relationship to topographic barriers and vegetation screening.</p> <p>MODIFICATION: Changes to this stipulation will be made in accordance with the land use plan and/or the regulatory provisions for such changes. (For guidance on the use of this stipulation, see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820.)</p> <p>JUSTIFICATION: This lease notice is necessary to identify current cactus populations and habitat in order to reduce or avoid impacts to cactus habitat.</p>				

Table B-8
Lease Notices (LN) and Additional Required Conditions of Approval
Applicable to Authorized Ground-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
Fish and Wildlife					
LN-3 Biological Inventories.	<p>The operator is required to conduct a biological inventory prior to approval of operations in areas of known or suspected habitat of special status species, or habitat of other species of interest such as but not limited to raptor nests, sage-grouse leks, or significant natural plant communities. The operator, in coordination with the BLM, shall use the inventory to prepare mitigating measures to reduce the impacts on affected species or their habitats. These mitigating measures may include, but are not limited to, relocation of roads and other facilities and fencing operations or habitat. Where impacts cannot be mitigated to the satisfaction of the BLM's Authorized Officer, surface occupancy and use on that area is prohibited.</p> <p>JUSTIFICATION: This lease notice is necessary to identify current plant and animal populations in order to reduce or avoid impacts to those species.</p>		•	•	•
LN-5 Working in Wildlife Habitat.	<p>Require operators to establish and submit to the GJFO a set of operating procedures for employees and contractors working in important wildlife habitats. Design such procedures to inform employees and contractors of ways to minimize the effect of their presence on wildlife and wildlife habitats. Procedures may address, but are not limited to, items such as working in bear or snake country, controlling dogs, and understanding and abiding by hunting and firearms regulations.</p>		•	•	
Paleontological Resources					
LN-6 Class 4 and 5 Paleontological Areas.	<p>Have a permitted paleontologist approved by the Authorized Officer perform an inventory of surface-disturbing activities in Class 4 and 5 paleontological areas per Instruction Memorandum No. 2008-009: Potential Fossil Yield Classification (PFYC) System for Paleontological Resources on Public Lands.</p> <p>JUSTIFICATION: This lease notice is necessary to ensure an adequate paleontologist is present during surface disturbing activities to protect paleontological resources from direct impacts.</p>	•	•	•	•

Table B-8
Lease Notices (LN) and Additional Required Conditions of Approval
Applicable to Authorized Ground-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	Lands and Realty				
LN-16/LN-7 Powderhorn Ski Area.	<p>If drilling operations are proposed, the lessee is hereby notified that there are concerns about ski lift structures, other facilities, and ski runs within the Powderhorn ski area. The lessee is hereby notified that special design, construction, and scheduling measures may be required in order to minimize the impacts of drilling and production operations. Proposed drilling and production facilities and operations will be relocated and rescheduled as needed to avoid physical interference with ski area facilities and recreation use. This can include relocations of more than 200 meters (656 feet) or seasonal closures of more than 60 days. This applies to the lands described below: <LEGAL_DESCRIPTIONS>.</p> <p>JUSTIFICATION: This lease notification is necessary to protect recreation facilities at Powderhorn Ski Area.</p>	•	•		•

¹Existing stipulations currently in effect in Alternative A, current management, are noted in italics and are from the current RMP (BLM 1987). Proposed new stipulations under Alternatives B, C, and/or D are noted in bold-face, non-italics.

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